



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13723	-NONE	+	BATTS	PYROXASULFONE (KICHEM)	CARROT	ROOT VEGETABLES SUBGROUPS (01AB)

Reason for Need: WEEDS. Annual grassweeds, Broadleaf weeds, Weeds are a persistent problem for carrot production as carrots are poor competitors. Herbicides are essential for carrot production as high-density planting limits the use of mechanical options. Therefore, carrot growers have long relied on herbicides like metam, trifluralin, and linuron. New regulatory restrictions along with loss of crop tolerances and costly environmental monitoring studies may lead to the loss of some good herbicides:08/23; NY/Carrots are in critical need of novel weed control options, particularly with the evolution of linuron resistance in pigweed species:09/23

Use Pattern: (PCR): Use Zidua SC formulation. Make one or two broadcast applications at 3.5 fl oz/a. The first application should be made after carrot seeding but before crop emergence. The second application, via ground sprayer or through chemigation, should be made at least 30 days after the first, but no later than row closure of crop canopy (layby). Applications should not be made within 21 days of carrot harvest.

E/CS Data Requirements:

E/CS Research Comments: no early season phytotoxicity evaluation data collected in 2023 trial; vigor after the second application looks acceptable, but significant crop phytotoxicity was observed from the late application of both rates; original supporting data did not include sequential applications of treatments, though sequential applications are desired. RBB 8/23/sb; PER THE 2024 PERFORMANCE PROTOCOL: TESTING EFFICACY AND CROP SAFETY TO SUPPORT REGISTRATION OF PYROXASULFONE ON CARROT; TRIALS SHOULD BE PLACED ON COARSE TO MEDIUM-TEXTURED SOILS AS WORST CASE FOR CROP RESPONSES; COMPARE 1X (0.081 LB AI/A) AND 2X (0.16 LB AI/A) RATES OF ZIDUA 4.17 SC, AT A NUMBER OF APPLIC PLACEMENT AND TIMING SPECIFICATIONS (SEE PROTOCOL FOR DETAILS), ALL IN AT LEAST 5 GPA; IF AVAILABLE, PROVIDE IRRIGATION TO PROPERLY ACTIVATE TRTS IF ADEQUATE RAINFALL IS NOT EXPECTED AFTER APPLIC; EVALUATE CROP INJURY AND YIELD

IR-4 Residue Trial Plan:

Comments: Data under XH498 (rec'd 2/2014) is variable and was converted with this new request. Original supporting data did not include sequential applications of treatments, though sequential applications are desired, and a more complete report has been requested. Requester may also desire a chemigation option for preemergence application.08/23/rbb/sb; Category changed per MFG to Potential, MFG Requires E/CS Data Before Residue Study, 09/23 JPB; Performance protocol signed, status changed from "Potential: E/CS before approval for residue study" to "E/CS ongoing" 02/24/drs;

NER-EPA Region-FRD

24-NYP04 Sosnoskie, Lynn

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

24-CAP06 Sidhu, Jaspreet

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

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12613	24-CANADA	A	PEILL	ETHEPHON (ADAMA,BAYER,UPL NA)	GINSENG	ROOT VEGETABLES SUBGROUPS (01AB)

Reason for Need: DEBUDDING PLANTS TO REDUCE SEED STAND; DEBUDDING PLANTS IS A COMMON PRACTICE FOR GINSENG GROWERS TO INCREASE ROOT YIELD; CURRENTLY DEBUDDING IS DONE BY HAND AT A HIGH COST PER ACRE; THE DEBUDDING PROCESS ALSO DAMAGES THE FOLIAGE AND LIKELY INCREASES ROOT AND FOLIAR DISEASE PRESSURE

Use Pattern: (PCR): USE THE ETHEPHON 2 PRODUCT; MAKE 1-2 FOLIAR APPLIC OF 1.0 LB AI/A (4 PT PRODUCT), 5-14 DAY INTERVAL, 30-DAY PHI; APPLY WHEN LOWER HALF OF FLOWER HEAD IS IN BLOOM; MAKE 2ND APPLIC ABOUT 2 WEEKS LATER WHEN TOP HALF OF FLOWER HEAD IS BLOOMING (OR APPLY WHEN THE CROP IS AT 10% BLOOM, AND REAPPLY AS NEEDED:07/20)

E/CS Data Requirements:

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING ETHEPHON 2SL AT 1.0 AND 2.0 LB AI/A, APPLIED FOLIAR BROADCAST, WITH AND WITHOUT ADJUVANT, 2 APPLIC (AT 25% AND 50% BLOOM) AND A SINGLE APPLIC (ONLY AT 50% BLOOM), IN 50-100 GPA; EVALUATE CROP INJURY, % BERRY HEADS INTACT AT HARVEST AND YIELD

IR-4 Residue Trial Plan: 5-4; 5-4 NAFTA

Comments: KEY EXPORT MARKETS INCLUDE CHINA, TAIWAN, JAPAN, VIETNAM:08/18; EPA HOLD OF 08/19 CHANGED TO EPA CAUTION:09/19; UPL IS SUPPORTING, ADAMA IS NOT:05/20; EPA HOLD:08/20; UPL REQUESTED THE STATUS BE CHANGED TO RESEARCHABLE, RESIDUE AND E/CS DATA NEEDED: VP, 3/23; YELLOW 08/23; UPL WILL NO LONGER SUPPORT:11/23/sb; ADAMA is now supporting as Researchable, Residue and E/CS Data Need:12/23/sb; Canadian Study# AAFC24-030R:1/24/sb; E/CS ongoing, status will be changed to "Residue ongoing; E/CS ongoing" once residue protocol is signed. 02/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-WI334 Heider, Daniel J.
24-WI335 Heider, Daniel J.
24-WI336 Heider, Daniel J.
24-WI337 Heider, Daniel J.

24-ON251 Wismer, R.J.
Ontario, CA(zone 5)



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P12613	-NONE	A	BATTS	ETHEPHON (ADAMA,BAYER,UPL NA)	GINSENG	ROOT VEGETABLES SUBGROUPS (01AB)

Reason for Need: DEBUDDING PLANTS TO REDUCE SEED STAND; DEBUDDING PLANTS IS A COMMON PRACTICE FOR GINSENG GROWERS TO INCREASE ROOT YIELD; CURRENTLY DEBUDDING IS DONE BY HAND AT A HIGH COST PER ACRE; THE DEBUDDING PROCESS ALSO DAMAGES THE FOLIAGE AND LIKELY INCREASES ROOT AND FOLIAR DISEASE PRESSURE

Use Pattern: (PCR): USE THE ETHEPHON 2 PRODUCT; MAKE 1-2 FOLIAR APPLIC OF 1.0 LB AI/A (4 PT PRODUCT), 5-14 DAY INTERVAL, 30-DAY PHI; APPLY WHEN LOWER HALF OF FLOWER HEAD IS IN BLOOM; MAKE 2ND APPLIC ABOUT 2 WEEKS LATER WHEN TOP HALF OF FLOWER HEAD IS BLOOMING (OR APPLY WHEN THE CROP IS AT 10% BLOOM, AND REAPPLY AS NEEDED:07/20)

E/CS Data Requirements:

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING ETHEPHON 2SL AT 1.0 AND 2.0 LB AI/A, APPLIED FOLIAR BROADCAST, WITH AND WITHOUT ADJUVANT, 2 APPLIC (AT 25% AND 50% BLOOM) AND A SINGLE APPLIC (ONLY AT 50% BLOOM), IN 50-100 GPA; EVALUATE CROP INJURY, % BERRY HEADS INTACT AT HARVEST AND YIELD

IR-4 Residue Trial Plan: 5-4; 5-4 NAFTA

Comments: KEY EXPORT MARKETS INCLUDE CHINA, TAIWAN, JAPAN, VIETNAM:08/18; EPA HOLD OF 08/19 CHANGED TO EPA CAUTION:09/19; UPL IS SUPPORTING, ADAMA IS NOT:05/20; EPA HOLD:08/20; UPL REQUESTED THE STATUS BE CHANGED TO RESEARCHABLE, RESIDUE AND E/CS DATA NEEDED: VP, 3/23; YELLOW 08/23; UPL WILL NO LONGER SUPPORT:11/23/sb; ADAMA is now supporting as Researchable, Residue and E/CS Data Need:12/23/sb; Canadian Study# AAFC24-030R:1/24/sb; E/CS ongoing, status will be changed to "Residue ongoing; E/CS ongoing" once residue protocol is signed. 02/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-MIP02 Hausbeck, Dr. Mary K.
24-MIP03 Hausbeck, Dr. Mary K.



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

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Print Date: 3/11/2024

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P13018	-NONE	A	PATEL	CYAZOFAMID (ISK)	PARSNIP	ROOT VEGETABLES SUBGROUPS (01AB)

Reason for Need: CAVITY SPOT (PYTHIUM SPP); NO LABELED OPTIONS FOR PARSNIP; E/CS DATA NEED TO BE GENERATED FOR THIS PROJECT

Use Pattern: (PCR): USE THE RANMAN PRODUCT; APPLY PRE-PLANT INCORPORATED AND/OR VIA CHEMIGATION; RATE INDICATED AS 0.156, BUT NO UNITS; A 14-DAY INTERVAL INDICATED BUT NO # OF APPLIC; POST PCR SUBMISSION, REQUESTOR INDICATED THE USE PATTERN SHOULD BE SIMILAR TO THAT FOR CAVITY SPOT CONTROL ON CARROT

E/CS Data Requirements:

E/CS Research Comments: IN THE PERFORMANCE PROTOCOL FOR 2022 TRIALS: EVALUATING PRODUCT PERFORMANCE ON COMMERCIAL VARIETIES SUSCEPTIBLE TO CAVITY SPOT; TESTING SOIL APPLIC OF A 6 FL OZ/A RATE OF RANMAN 400 SC (CYAZOFAMID) VS THE STANDRAD MEFENOXAM, BOTH COMPARED WITH AN INOCULATED NONTREATED PLOT; MEFENOXAM IS APPLIED PRE-PLANT INCORPORATED OR AS A SOIL SPRAY (BROADCAST OR BAND) AT PLANTING IN 20-100 GPA; MAKE 1ST APPLIC OF CYAZOFAMID PRE-PLANT INCORPORATED (BROADCAST OR BAND), FOLLOWED BY 4 SURFACE APPLIC (BROADCAST OR BAND), IN 20-100 GPA; SEE PROTOCOL FOR MORE DETAILS ON APPLIC REQUIREMENTS; EVALUATE EFFICACY BY ASSESSING PLANT VIGOR (PLANT STAND), AND CAVITY SPOT INCIDENCE AND SEVERITY; ASSESS PHYTOTOXICITY MULTIPLE TIMES; PROTOCOL FOR 2023 PERFORMANCE TRIALS FOLLOWS DETAILS OF THE 2022 PROTOCOL

IR-4 Residue Trial Plan: 1 5 10

Comments: NO KEY EXPORT MARKET NOTED; THIS NEED IS FOR CAVITY SPOT LIKE CARROT, AND THE USE PATTERN WOULD BE BETTER COVERED IF THE REQUEST WAS FOR RADISH:06/20; MFG SUPPORTS, RESIDUE AND E/CS DATA NEEDED; USE PATTERN SHOULD BE SAME AS FOR REP CROP CARROT:07/20; EPA GREEN:08/20, 08/21; IR-4 SUBMITTED A CHEMSAC PROPOSAL TO USE THE CYAZOFAMID DATA ON CARROT TO BE EXTRAPOLATED TO PARSNIP AND SET A TOLERANCE ON PARSNIP AT 0.09 PPM (SAME AS CARROT):02/22; Status changed from "notice of filing issued/proposal" to "ECS ongoing" 03/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-ORP08 Buckland, Kristine



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13027	24-TBD	A	WELKER	METRIBUZIN (ADAMA,BAYER,UPL NA)	POTATO	TUBEROUS AND CORM VEGETABLES SUBGROUP (01C)

Reason for Need: LATE-SEASON WEEDS/YIELD LOSS & HARVEST EFFICIENCY; FROM PR# 10671, THE REQUESTED NEED IS TO LOWER PHI TO 30-DAY (USE IS CURRENTLY LABELED FOR 60-DAY PHI); PER NJ ME-TOO REQUEST: REDUCED PHI WOULD ALLOW BETTER CONTROL OF SUMMER EMERGING WEEDS; MS - Additional Reason For Need: For use in sweetpotato (plant beds and field production):08/23

Use Pattern: (PCR): FROM PR# 10671: 0.33-0.67 LB/A; ONE POSTEMERGENCE BROADCAST APPLIC; 30-DAY PHI

E/CS Data Requirements: ADAMA has waived the E/CS data requirements:10/23/sb

E/CS Research Comments:

IR-4 Residue Trial Plan: 1-2 2 3 5-4 9 10 11-6 (2 decline & 1 processing); NAFTA 1-3, 5-4, 7A, 9, 11-6, 14

Comments: THIS PR# WAS CREATED FOR FOLLOW-UP RESIDUE RESEARCH NEEDED DUE TO ANALYTICAL ISSUES THAT CAN'T BE RESOLVED IN POTATO STUDY PR# 10671, WHICH HAS TO BE CANCELED; FROM COMMENTS IN PR# 10671: CANADIAN INTEREST; PER PROPOSAL APPROVED BY CHEMSAC/PMRA, JOINT POTATO STUDY REQUIRES THE FOLLOWING TRIALS: US - 1-2 2 3 5-2 9 10 11-4; CANADA - 1-3 5-2 7-2 14-2;10/11; THE PR# 10671 POTATO STUDY (AND THE CROP SUBGROUP 1C TOLERANCE THAT WAS EXPECTED) WAS TO COVER THE REQUESTED SWEET POTATO PLANTING BED (PR# 12866), SWEET POTATO POSTEMERGENCE BROADCAST (PR# 12095) AND TANIER POSTEMERGENCE BROADCAST USE PATTERNS (PR# 06459); THIS NEW PR# 13027 IS FOR A POTATO RESIDUE STUDY TO REPLACE 10671, AND IS RESEARCHABLE SO IT CAN BE PRIORITIZED IN 2020:07/20; EPA HOLD:08/20; EPA REMOVED HOLD 2/23 & ADAMA NOW REQUESTS E/CS ONLY, MAINLY CROP SAFETY:03/23/sb; YELLOW 08/23; Per Adama company meeting in 5/23 status is Researchable, Residue & E./CS Data Needed and "need to assess if plant back data is necessary":10/23/sb; ADAMA has waived the E/CS data requirements so the status has been changed from "Researchable, Residue & E/CS Data Needed" to "Researchable, Only Residue Data Needed":10/23/sb; for the US, IR-4 is being supported by Adama and Bayer is supporting the request in Canada:11/23/sb

NER-EPA Region-FRD

24-MD158 Ross, Marylee
24-NJ201 Fisher, Jennifer
24-NY218 Handley, Keagan

NCR-EPA Region-FRD

24-OH231 Robinson, Allison
24-OH*232 Horst, Leona
24-WI345 Chapman, Scott
24-WI346 Heider, Daniel J.

SOR-EPA Region-FRD

WSR-EPA Region-FRD

24-ID137 Meeks, Mr. Will
24-ID138 Meeks, Mr. Will
24-ID139 Meeks, Mr. Will
24-NM214 Robbins, Chanz
Region 9
24-WA*312 Larson, Duane
24-WA*311 Larson, Duane
(decline)
24-WA313 Peng, Wilson
24-WA314 Peng, Wilson

CANADA-EPA Region-FRD

24-AB150 Tiffen, Sarah
(Agquest)(region 7a)(AB)
24-QC286 Cloutier, Dominic
(decline)
24-SK300 Adams, Erin
(zone 14)
24-NS401 Bittner, Lori
(processing)



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P13755	-NONE	+	PATEL	PHC68949 (PHC)	SWEETPOTATO	TUBEROUS AND CORM VEGETABLES SUBGROUPS (01CD)

Reason for Need: Target nematode pest: root-knot nematodes (Meloidogyne spp.), including guava root-knot nematode (M. enterolobii); Few effective products are available for management of root-knot nematode in sweetpotato; moreover, root-knot nematode causes galling damage to the sweetpotato storage roots, and cosmetic damage makes them unmarketable. Root-knot nematodes have a high risk of impacting other minor vegetables, fruits, and row crops grown in rotation:08/23

Use Pattern: (PCR): Apply as a seed treatment or foliar spray as advised by the MFG

E/CS Data Requirements:

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING PHC68949 FOR CONTROL OF GUAVA ROOT-KNOT AND SOUTHERN ROOT-KNOT NEMATODES; BEGIN FOLIAR APPLIC OF 0.1 AND 0.2 OZ AI/A OF PDHP68949 AT 1% WDG, AT PLANTING AND REPEAT AT 28-DAY INTERVALS IN 10-30 GPA, COMPARED WITH THE STANDARD MOVENTO; ASSESS CROP INJURY, NEMATODE CONTROL AND CROP YIELD; SEE PROTOCOL FOR OTHER TRIAL REQUIREMENTS

IR-4 Residue Trial Plan: 2-4 3 4 6 10, 1 DECLINE TRIAL

Comments: Per Mfg, this product will be registered by EPA but has not been granted a tolerance exemption yet, therefore IR-4 will update that status to "Potential: E/CS data before Approval for Residue" at this time:08/23/sb; E/CS ongoing , data needed before approval for residue study 02/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FLP15 Desaeger, Dr Johan
24-NCP07 Gorny, Adrienne



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13703	24-TIR04	A	WELKER	TOLPYRALATE (ISK)	SWEETPOTATO	TUBEROUS AND CORM VEGETABLES SUBGROUPS (01CD)

Reason for Need: Postemergence control of Amaranthus species and other broadleaf weeds; Currently no herbicide is registered for postemergence applications in sweet potato and this crop is slow to provide sufficient canopy to compete with later emerging weeds:08/23; NJ/Developing sweet potato NJ industry would benefit from an effective herbicide for control of pigweeds, especially Palmer amaranth:09/23

Use Pattern: (PCR): Make one or two broadcast applications over crop at small broadleaf weeds (5" or less in height) at 1 to 1.35 fl oz/a. Retreatment interval should be at least 14 days. See label for guidance on adjuvant type and rate

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 2-4 3 4 6 10, 1 DECLINE (? depends on phi); NAFTA 2-3, 4-2, 5-2, 10. Based on the use pattern, no decline needed:01/24/sb

Comments: X-REF IS PROJECT IS00383:11/20. E/CS data generated under IS00383. XH559 from 11/20 converted to this pr# based on new pcr received 07/29/23:08/23; Mfg supports as "Researchable, Residue and E/CS data needed":08/23/sb; with E/CS generated under IS00383 and mfg now supports as Researchable, Only Residue Data Needed:09/23/sb; EPA Green, 12/23;

NER-EPA Region-FRD

24-MD162 Ross, Marylee

NCR-EPA Region-FRD

SOR-EPA Region-FRD

24-GA*126 Fraelich, Ben
24-LA151 Wright, Denise
24-LA152 Wright, Denise
24-NC187 Smith, Stephen C
24-NC188 Smith, Stephen C
24-NC189 Smith, Stephen C

WSR-EPA Region-FRD

24-CA61 Skiles, Keri

CANADA-EPA Region-FRD

24-ON253 Riddle, Geoff
(Region 5)
24-ON254 Wismer, R.J.
(Region 5)



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<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13648	24-FLR07	A	PIKE	ZETA-CYPERMETHRIN (FMC)	BEET GREENS (GARDEN)	LEAVES OF ROOT AND TUBER VEGETABLES GROUP (02)

Reason for Need: Aphid/thrips/armyworm; This chemical is currently registered for garden beet roots but is not registered for the beet leaves. There is also no tolerance for this chemical on beet leaves. This chemical is very effective in other commodities for thrip and aphid suppression so it would be a great additional tool for pest management in beets. There are very limited chemical groups that are currently registered for beet leaves which makes pest control very difficult:07/23; TX/We are in a very difficult growing environment in South Texas with heavy pest pressures. Our tools for management are limited and beet bunches with greens are an important commodity for our business and strong consumer demand:08/23

Use Pattern: (PCR): Apply Mustang Maxx as a foliar spray at 4 fl oz/A for up to 6 times per year at an RTI of 4 days and a PHI of 1 day

E/CS Data Requirements:

E/CS Research Comments: IN THE 2024 PERFORMANCE PROTOCOL: TESTING THE MUSTANG MAXX PRODUCT, AT A RATE OF 4 FL OZ PRODUCT/A VS A STANDARD, FOR THRIPS AND APHID CONTROL; APPLY AS FOLIAR SPRAYS, 6 TIMES AT A 5-7 DAY INTERVAL AND A 1-DAY PHI; EVALUATE EFFICACY AND CROP SAFETY

IR-4 Residue Trial Plan: 1-1, 5-2, 6-1, 12-1 (decline)

Comments: A tolerance already exists for garden beets but the leaves cannot be used for food or feed: 7/23; Mfg supported at the 2023 FUW as Researchable, Residue & E/CS Data Needed:09/23/sb; EPA Green 12/23; Residue protocol signed, status will be changed from "E/cs data ongoing" to Residue ongoing e/cs ongoing" when residue protocol is signed 02/24/drs;

NER-EPA Region-FRD

24-NJ205 Fisher, Jennifer

NCR-EPA Region-FRD

24-OH*241 Horst, Leona
24-OH240 Robinson, Allison
(decline)
24-WI357 Chapman, Scott

SOR-EPA Region-FRD

24-TX306 Cochran, Kim
(region 6)

WSR-EPA Region-FRD

24-OR260 Lightle, Dani

CANADA-EPA Region-FRD



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P13648	-	A	AXTELL	ZETA-CYPERMETHRIN (FMC)	BEET GREENS (GARDEN)	LEAVES OF ROOT AND TUBER VEGETABLES GROUP (02)

Reason for Need: Aphid/thrips/armyworm; This chemical is currently registered for garden beet roots but is not registered for the beet leaves. There is also no tolerance for this chemical on beet leaves. This chemical is very effective in other commodities for thrip and aphid suppression so it would be a great additional tool for pest management in beets. There are very limited chemical groups that are currently registered for beet leaves which makes pest control very difficult:07/23; TX/We are in a very difficult growing environment in South Texas with heavy pest pressures. Our tools for management are limited and beet bunches with greens are an important commodity for our business and strong consumer demand:08/23

Use Pattern: (PCR): Apply Mustang Maxx as a foliar spray at 4 fl oz/A for up to 6 times per year at an RTI of 4 days and a PHI of 1 day

E/CS Data Requirements:

E/CS Research Comments: IN THE 2024 PERFORMANCE PROTOCOL: TESTING THE MUSTANG MAXX PRODUCT, AT A RATE OF 4 FL OZ PRODUCT/A VS A STANDARD, FOR THRIPS AND APHID CONTROL; APPLY AS FOLIAR SPRAYS, 6 TIMES AT A 5-7 DAY INTERVAL AND A 1-DAY PHI; EVALUATE EFFICACY AND CROP SAFETY

IR-4 Residue Trial Plan: 1-1, 5-2, 6-1, 12-1 (decline)

Comments: A tolerance already exists for garden beets but the leaves cannot be used for food or feed: 7/23; Mfg supported at the 2023 FUW as Researchable, Residue & E/CS Data Needed:09/23/sb; EPA Green 12/23; Residue protocol signed, status will be changed from "E/cs data ongoing" to Residue ongoing e/cs ongoing" when residue protocol is signed 02/24/drs;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-CAP18 Grettenberger, Dr. Ian



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

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P13642	-NONE	+	BATTS	PYRAFLUFEN-ETHYL (NAI)	ONION (DRY BULB)	ONION, BULB SUBGROUP (03-07A)

Reason for Need: Annual weeds; probably loss of Dacthal and dire need for alternative herbicides for onion:06/23; NY/Dry bulb onions lack significant chemical tools for the management of emerged weeds (which are especially competitive in young onions). The addition of an active ingredient could enhance the diversity and flexibility of control programs:08/23

Use Pattern: (PCR): Postemergence broadcast over 2-lf stage onions; 1 or 2 applications; (RTI-TBD, PHI-TBD, though PHI will be variable since application is targeted to crop stage.

E/CS Data Requirements: MFG is concerned with efficacy and phytotoxicity and requires at least 6 E/CS trials in the following states CA(1), PNW (2), S. TX (1), GA(1), NY (1):09/23

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING ET HERBICIDE FOR PERFORMANCE AND CROP SAFETY ON DRY BULB ONION; TEST 5 RATES OF ET HERBICIDE/DEFOLIANT (0.0016, 0.0033, 0.0045, 0.0065, 0.0089 LB AI/A + ADJUVANT WITH EACH RATE [SEE ET LABEL FOR ADJUVANT]) VS A STANDARD; ALL TRTS ARE APPLIED BROADCAST EARLY POSTEMERGENCE (EPOST) OVER 2-LF CROP, IN AT LEAST 10 GPA; EVALUATE WEED CONTROL, CROP INJURY AND CROP YIELD

IR-4 Residue Trial Plan: BULB: 1 5 6 8 10-2 11 12

Comments: No tolerance established, but use is labeled in many crop groups, including 03-07A, based on ChemSAC decision that allows preplant use of pyraflufen to be considered as 'non-food' use: 6/23; EPA GREEN: 08/23; Mfg Supports as Potential, E/CS Data before Approval for Residue:09/23; E/CS ongoing, data required before approval for residue study 02/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-CAP05	Fennimore, S.
24-ORP05	Felix, J.
24-WAP02	Liu, Rui



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13485	-NONE	A	AXTELL	BIFENTHRIN (ADAMA,AMVAC,FMC)	ONION	ONION BULB AND GREEN SUBGROUPS (03-07AB)

Reason for Need: SEEDCORN MAGGOT; OTHER TREATMENTS HAVE LOST REGISTRATION, CHLORPYRIFOS, AND SOME OTHER TREATMENTS ARE NOT AS EFFECTIVE;

Use Pattern: (PCR): CAPTURE LFR: DOSAGE 8.5 FL OZ/A, BANDED AT PLANT OR POST PLANT WATER INCORPORATED, 1 APPLICATION

E/CS Data Requirements:

E/CS Research Comments: IN THE 2023 PERFORMANCE PROTOCOL: TESTING EFFICACY AND PLANT SAFETY OF BIFENTHRIN (CAPTURE LFR) FOR SEEDCORN MAGGOT: COMPARE TWO APPLIC METHODS OF 252.3 ML/A OF CAPTURE (T-BAND APPLIC OR BANDED APPLIC AT PLANTING AFTER THE FURROW IS CLOSED, AND BANDED APPLIC ABOUT 10 DAYS AFTER SEEDING - BOTH TRMTS FOLLOWED BY 0.375 IN OF IRRIGATION) VS A DIAZINON STANDARD, IN 20-50 GPA; EVALUATE MAGGOT CONTROL, PLANT VIGOR AND CROP YIELD

IR-4 Residue Trial Plan: BULB: 1 5 6 8 10-2 11 12 GREEN: ANY 4 TRIALS (1 DECLINE)

Comments: Based on PCR reply of 8/17/22, FMC supports this as Researchable, Res & E/CS data needed", and will label if they have appropriate efficacy/crop safety and residue data AND if the residue data generated allow this use to fit in their risk cup:02/24/sb

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-ORP09 Reitz, Stuart



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13595	24-TIR01	A	MARCONI	CYCLANILIPROLE (ISK)	ONION	ONION BULB AND GREEN SUBGROUPS (03-07AB)

Reason for Need: THERE IS A DEARTH OF EFF PRODUCTS REGISTERED FOR ONION THRIPS CONTROL IN ONION AND CYCLANILIPROLE WOULD ADD TO THE OPTIONS AVAILABLE TO ONION GROWERS; THERE IS A LIMITED SUITE OF EFF PRODUCTS FOR ONION THRIPS MGMT IN THE TREASURE VALLEY OF OR AND ID; DECLINES IN EFFICACY OF SOME PRODUCTS HAVE BEEN OBSERVED THAT WERE PREVIOUSLY EFFECTIVE; CYCLANILIPROLE WOULD PROVIDE AN ADDL OPTION FOR GROWERS: OR, 1/23; GROWERS IN WILLAMETTE VALLEY OF OR WOULD ALSO BENEFIT FROM ADDL OPTIONS IN THRIPS CONTROL AS CITED HERE: OR, 1/23; THRIPS ARE DIFFICULT TO CONTROL IN ONIONS; HAVING MORE EFF TOOLS WILL HELP GROWERS WITH PROFITABILITY: WA, 1/23; AS AN ALTERNATE ONION THRIPS INSECTICIDE OPTION; THERE ARE CURRENTLY TOO FEW OPTIONS TO SUPPORT ROBUST CHEMICAL ROTATION AND AVOIDANCE OF INSECTICIDE RESISTANCE: UT, 1/23; OH/interest in green onion:08/23

Use Pattern: (PCR): HARVANTA 50SL AT A RATE OF 0.054 LB AI/ACRE AS FOLIAR APPLIC, WITH NO MORE THAN 3 APPLIC, 7-10 DAY INTERVAL, 1-DAY PHI; DO NOT USE MORE THAN 3 TIMES ON A CROP DURING THE SEASON; THE LIMITATIONS PER REQUESTER ARE NO USE IN NASSAU AND SUFFOLK COUNTIES OF NEW YORK STATE; NO AERIAL APPLICATION IN NEW YORK STATE. IN NEW YORK STATE, A 25 FT. VEGETATED AND NON-CROPPED BUFFER STRIP UNTRAVERSED BY DRAINAGE TILES, MUST BE MAINTAINED BETWEEN THE TREATMENT AREA AND LAKES, RIVERS, RESERVOIRS, PERMANENT STREAMS, MARSHES, NATURAL PONDS, ESTUARIES OR COASTAL AREAS. NO SPECIAL SAFTEY PRECAUTIONS IN ADDITION TO PRODUCTS THAT HAVE A CAUTION STATEMENT.

E/CS Data Requirements: 4 fts being conducted under IS00397:10/23/nrpm/sb

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING HARVANTA 50SL AT A RATE OF 16.4 FL OZ/A VS A STANDARD; APPLY AS A FOLIAR SPRAY 3 TIMES, 7-DAY INTERVAL, 35-40 GPA, STARTING WHEN A MODERATE PEST PRESSURE HAS ESTABLISHED (~3 THRIPS/LEAF) AND BEFORE PLANTS START TO LODGE; EVALUATE EFFICACY AGAINST THRIPS BY INSECT COUNTS AND PLANT DAMAGE, AND ALSO PHYTOTOXICITY

IR-4 Residue Trial Plan: BULB: 1 5 6 8 10-2 11 12 GREEN: ANY 4 (BULB: 1 decline); NAFTA DRY BULB: 5-2, 6, 8, 10-2, 11-2, GREEN: 5-2, 10-2, 12

Comments: YELLOW 08/23; to repl fts from studies removed for accepted ChemSACs, 1 add'l ft is being added:01/24/sb; E/CS ongoing, status will be changed to "Residue ongoing, E/CS ongoing" once residue protocol is signed. 02/24/DRS;

[NER-EPA Region-FRD](#)

[NCR-EPA Region-FRD](#)

[SOR-EPA Region-FRD](#)

[WSR-EPA Region-FRD](#)

[CANADA-EPA Region-FRD](#)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

24-NJ397 (bulb)	Fisher, Jennifer	24-OH*238 (Bulb)	Horst, Leona	24-TX304 (Bulb)	Cochran, Kim	24-CA39 (Bulb)	Leach, Nathan	24-BC04 (Bulb) (Region 11)(Decline)	Nield, David
		24-OH*237 (Green)	Horst, Leona			24-CA37 (Bulb)	Ennes, D. (Kearney)		
		24-OH236 (Green)	Robinson, Allison			24-CA38 (Green)	Skiles, Keri	24-ON252 (Green)	Riddle, Geoff
						24-CA*40 (Bulb)	Benzen, Ms. Sharon D.	24-QC287 (Bulb)	Cloutier, Dominic
						24-CA*41 (Green)	Benzen, Ms. Sharon D.		
						24-ID143 (Bulb)	Meeks, Mr. Will		
						24-NM215 (Bulb)(region 8)	Robbins, Chanz		
						24-OR258 (green)	Lightle, Dani		
						24-WA*323 (bulb)	Larson, Duane		



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13595	-	A	AXTELL	CYCLANILIPROLE (ISK)	ONION	ONION BULB AND GREEN SUBGROUPS (03-07AB)

Reason for Need: THERE IS A DEARTH OF EFF PRODUCTS REGISTERED FOR ONION THRIPS CONTROL IN ONION AND CYCLANILIPROLE WOULD ADD TO THE OPTIONS AVAILABLE TO ONION GROWERS; THERE IS A LIMITED SUITE OF EFF PRODUCTS FOR ONION THRIPS MGMT IN THE TREASURE VALLEY OF OR AND ID; DECLINES IN EFFICACY OF SOME PRODUCTS HAVE BEEN OBSERVED THAT WERE PREVIOUSLY EFFECTIVE; CYCLANILIPROLE WOULD PROVIDE AN ADDL OPTION FOR GROWERS: OR, 1/23; GROWERS IN WILLAMETTE VALLEY OF OR WOULD ALSO BENEFIT FROM ADDL OPTIONS IN THRIPS CONTROL AS CITED HERE: OR, 1/23; THRIPS ARE DIFFICULT TO CONTROL IN ONIONS; HAVING MORE EFF TOOLS WILL HELP GROWERS WITH PROFITABILITY: WA, 1/23; AS AN ALTERNATE ONION THRIPS INSECTICIDE OPTION; THERE ARE CURRENTLY TOO FEW OPTIONS TO SUPPORT ROBUST CHEMICAL ROTATION AND AVOIDANCE OF INSECTICIDE RESISTANCE: UT, 1/23; OH/interest in green onion:08/23

Use Pattern: (PCR): HARVANTA 50SL AT A RATE OF 0.054 LB AI/ACRE AS FOLIAR APPLIC, WITH NO MORE THAN 3 APPLIC, 7-10 DAY INTERVAL, 1-DAY PHI; DO NOT USE MORE THAN 3 TIMES ON A CROP DURING THE SEASON; THE LIMITATIONS PER REQUESTER ARE NO USE IN NASSAU AND SUFFOLK COUNTIES OF NEW YORK STATE; NO AERIAL APPLICATION IN NEW YORK STATE. IN NEW YORK STATE, A 25 FT. VEGETATED AND NON-CROPPED BUFFER STRIP UNTRAVERSED BY DRAINAGE TILES, MUST BE MAINTAINED BETWEEN THE TREATMENT AREA AND LAKES, RIVERS, RESERVOIRS, PERMANENT STREAMS, MARSHES, NATURAL PONDS, ESTUARIES OR COASTAL AREAS. NO SPECIAL SAFTEY PRECAUTIONS IN ADDITION TO PRODUCTS THAT HAVE A CAUTION STATEMENT.

E/CS Data Requirements: 4 fts being conducted under IS00397:10/23/nrpm/sb

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING HARVANTA 50SL AT A RATE OF 16.4 FL OZ/A VS A STANDARD; APPLY AS A FOLIAR SPRAY 3 TIMES, 7-DAY INTERVAL, 35-40 GPA, STARTING WHEN A MODERATE PEST PRESSURE HAS ESTABLISHED (~3 THRIPS/LEAF) AND BEFORE PLANTS START TO LODGE; EVALUATE EFFICACY AGAINST THRIPS BY INSECT COUNTS AND PLANT DAMAGE, AND ALSO PHYTOTOXICITY

IR-4 Residue Trial Plan: BULB: 1 5 6 8 10-2 11 12 GREEN: ANY 4 (BULB: 1 decline); NAFTA DRY BULB: 5-2, 6, 8, 10-2, 11-2, GREEN: 5-2, 10-2, 12

Comments: YELLOW 08/23; to repl fts from studies removed for accepted ChemSACs, 1 add'l ft is being added:01/24/sb; E/CS ongoing, status will be changed to "Residue ongoing, E/CS ongoing" once residue protocol is signed. 02/24/DRS;

NER-EPA Region-FRD

24-NYP03 Nault, B.A.

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

24-ORP11 Reitz, Stuart

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13734	24-TBD	A	DINEEN	LINURON (TKI)	ONION (GREEN)	ONION, GREEN SUBGROUP (03-07B)

Reason for Need: NY/New tools are needed for the management of emerged weeds (which are especially competitive in young onions). Palmer amaranth has moved into onion production fields in NY; prelim trials indicate good control with linuron:09/23

Use Pattern: (PCR):

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: Any 4 on muck soil

Comments: This was an initial study under PR# 12815 but due to analytical concerns the study will need to be repeated. Therefore, this new PR# was created and will have to be reprioritized to assure there is still a need:08/23/sb; Mfg gave support at the 2023 FUW as Researchable, Only Residue Data Needed:09/23/sb; Advised EPA Caution at the 2023 FUW:09/23/sb; EPA Yellow, 12/23;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-OH*247 Horst, Leona
24-OH246 Robinson, Allison
24-WI363 Heider, Daniel J.

24-FL111 Thomas, Darrell



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13109	-NONE	A	PATEL	AZOXYSTROBIN (SYNGEN)	LETTUCE (GH TRANSPLANT)	LEAFY GREENS SUBGROUP (04-16A)

Reason for Need: SOIL-BORNE PATHOGENS; THERE ARE NO OTHER FUNGICIDES REGISTERED FOR THIS USE IN THE GH; PER NH ME-TOO REQUEST: GROWERS HAVE STRUGGLED TO CONTROL ROOT ROTS ON VEGETABLE TRANSPLANTS WITHOUT FUNGICIDE TOOLS; PER IN, CT AND CA ME-TOO REQUEST: THERE ARE NO PRODUCTS LABELED FOR USE AGAINST ROOT ROT; PER TX ME-TOO REQUEST: NEED EFFECTIVE OPTIONS FOR GH GREENS TRANSPLANTS; PER FL ME-TOO REQUEST: NEEDED FOR DISEASE MANAGEMENT FOR TRANSPLANT PRODUCTION

Use Pattern: (PCR): USE THE HERITAGE PRODUCT; MAKE 2-3 DRENCH APPLIC, 7-14 DAY INTERVAL, 0-2 DAY PHI; RATE TO BE DETERMINED WITH THE MFG; APPLY WHILE IN THE PLUG, APPLY AT TRANSPLANT AND FOLLOWING TRANSPLANTING

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 1/2-1 3 10-4

Comments: ORIGINAL REQUEST WAS FOR GH LEAFY GREENS TRANSPLANTS, AND IT WAS SPLIT INTO TWO REQUESTS, FOR THE SUBGROUP REP CROPS LETTUCE AND SPINACH (PR# 13110); NO EXPORT MARKET NOTED; A FOLIAR USE ON LEAFY GREENS IS ON THE HERITAGE LABEL, BUT THE EXPECTED HIGHER USE RATE AND DRENCH APPLIC MAY RESULT IN HIGHER RESIDUES; MAY EXPLORE IF THIS USE CAN BE SECURED VIA A CHEMSAC PROPOSAL:07/20; SYNG SUPPORTS, RESIDUE AND E/CS DATA NEEDED:09/20; EPA GREEN:08/21, 08/22, 08/23; COMMODITY UPDATED FROM LETTUCE (GH) TO LETTUCE (GH TRANSPLANT):09/23/sb; this study will be covered by ChemSAC for residue so the status of Researchable, Residue & E/CS Data needed is being updated to "tolerance to be pursued with no data proposal/petition" and once the E/CS protocol is signed it can be updated to E/CS data ongoing:01/24/sb

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-MIP04

Hausbeck, Dr. Mary K.

24-VAP03

Higgins, Doug



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12975	-	A	PATEL	PYRAZIFLUMID (NAI)	LETTUCE (GH)	LEAFY GREENS SUBGROUP (04-16A)

Reason for Need: BROAD SPECTRUM, SYSTEMIC FUNGICIDE (SDHI); ALTERNARIA, POWDERY MILDEW, SCLEROTINIA; HIGHER BIOLOGICAL ACTIVITY COMPARED TO OTHER FRAC 7 FUNGICIDES AND LOWER RATES; SOFT ON BENEFICIALS USED BY GH INDUSTRY

Use Pattern: (PCR): MAKE 2 FOLIAR APPLIC (AND DRIP IF MFG SUPPORTS) OF 75 G AI/HA, 7-DAY INTERVAL, 1-DAY PHI

E/CS Data Requirements:

E/CS Research Comments: IN THE 2022 PERFORMANCE PROTOCOL: EVALUATING PRODUCT PERFORMANCE ON COMMERCIAL VARIETIES SUSCEPTIBLE TO ALTERNARIA; TESTING 3.2 AND 4.6 FL OZ/A RATES OF PYRAZIFLUMID 20SC, VS THE STANDARD PROCURE 480SC, APPLIED BY FOLIAR SPRAY IN 50-100 GPA; MAKE 1ST APPLIC OF PYRAZIFLUMID TRMTS 1 DAY BEFORE ARTIFICIAL INOCULATION OF THE PATHOGEN, FOLLOWED BY A 2ND APPLIC 7 DAYS LATER; INCLUDE A LABEL RATE OF A NON-IONIC SURFACTANT; EVALUATE DISEASE INCIDENCE AND SEVERITY, AND CROP INJURY; IN THE 2023 PERFORMANCE PROTOCOL: EVALUATING PRODUCT PERFORMANCE ON COMMERCIAL VARIETIES SUSCEPTIBLE TO POWDERY MILDEW; TESTING 3.2 AND 4.6 FL OZ/A RATES OF PYRAZIFLUMID 20SC, VS PROCURE 480SC; FOLLOW THE SAME USE PATTERN REQUIREMENTS AS IN THE 2022 PROTOCOL, AND ASSESS DISEASE CONTROL AND CROP INJURY

IR-4 Residue Trial Plan: ANY 4 TRIALS (HEAD LETTUCE NOT REQUIRED)

Comments: CANADA NOTED AS A KEY EXPORT MARKET:03/20; MFG SUPPORTS, RESIDUE AND E/CS DATA NEEDED; MFG IS PURSUING REGISTRATION ON OUTDOOR LETTUCE IN THE US:05/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-CTP01 Kodati, Srikanth



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12714	24-TBD	A	WELKER	ETHOFUMESATE (BAYER)	SWISS CHARD	LEAFY GREENS SUBGROUP (04-16A)

Reason for Need: WEEDS; ANNUAL BROADLEAVES AND GRASSES; VERY FEW HERBICIDES LABELED FOR SWISS CHARD; S-METOLACHLOR IS THE ONLY PREEMERGENCE HERBICIDE LABELED FOR CHARD, AND CLOPYRALID IS THE ONLY POSTEMERGENCE HERBICIDE FOR BROADLEAVES; NEITHER HERBICIDE PROVIDES SUFFICIENT WEED CONTROL FOR THE LIFE OF THE CROP; NY/Limited herbicides available in crop. Ethofumesate is labeled for use in NY beets and is a foundational product when used in combination with S-metolachlor to provide residual weed control at planting. Can be used, POST, for extended suppression:08/23

Use Pattern: (PCR): USE NORTRON 4 SC; APPLY 1-1.5 LB AI/A PREEMERGENCE AFTER SEEDING AND 0.33 LB AI/A POSTEMERGENCE TO 2-4 LEAF CHARD PLANTS; MAKE 1-2 APPLIC, 30-DAY INTERVAL, 30-DAY PHI; MAX 3 LB AI/A/YR; DO NOT APPLY IF CHARD IS UNDER STRESS

E/CS Data Requirements:

E/CS Research Comments: PER 2024 PERFORMANCE PROTOCOL: TEST SINGLE APPLIC OF NORTRON SC ALONE AT 1X AND 2X RATES (APPLIED PREEMEREGNCE BROADCAST), VS 2 APPLIC (1ST APPLIC PREEMERGENCE BROADCAST, FOLLOWED BY EARLY POSTEMERGENCE BROADCAST), VS IN COMBINATION WITH DUAL MAGNUM (+ CROP OIL CONCENTRATE [COC] WHEN APPLIED EPOST), VS COMMERCIAL STANDARDS, IN 10-60 GPA; NORTRON RATES SHOULD BE PER CURRENT LABEL RATES, AND BASED ON SOIL TYPE; SEE PROTOCOL FOR MORE APPLIC DELIVERY AND TIMING DETAILS; EVALUATE CROP INJURY, CROP YIELD AND WEED CONTROL

IR-4 Residue Trial Plan: ANY 4

Comments: NO EXPORT MARKETS NOTED; 8/11/04: DMP (ONLY) PR# XH124 CONVERTED TO PR# 12714:04/19; EPA GREEN:09/19; MFG PUT ON HOLD PENDING REG REVIEW:09/23/19; YELLOW 08/23; SPINACH IS ONLY THE LABEL FOR SEED PRODUCTION, NOT FOR HUMAN CONSUMPTION: 11/23, JPB; BOTH MOR & E/CS PROTOCOLS WERE SIGNED IN JAN 2024, SO RESEARCHABLE, RESIDUE & E/CS DATA NEEDED HAS BEEN UPDATED TO RESIDUE ON-GOING; E/CS DATA ON-GOING:02/24/sb

NER-EPA Region-FRD

24-MD157	Ross, Marylee
24-NJ200	Fisher, Jennifer

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

24-CA13	Ennes, D. (Kearney)
24-CA*15	Benzen, Ms. Sharon D.
24-CA14	Leach, Nathan

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12714	-NONE	A	BATTS	ETHOFUMESATE (BAYER)	SWISS CHARD	LEAFY GREENS SUBGROUP (04-16A)

Reason for Need: WEEDS; ANNUAL BROADLEAVES AND GRASSES; VERY FEW HERBICIDES LABELED FOR SWISS CHARD; S-METOLACHLOR IS THE ONLY PREEMERGENCE HERBICIDE LABELED FOR CHARD, AND CLOPYRALID IS THE ONLY POSTEMERGENCE HERBICIDE FOR BROADLEAVES; NEITHER HERBICIDE PROVIDES SUFFICIENT WEED CONTROL FOR THE LIFE OF THE CROP; NY/Limited herbicides available in crop. Ethofumesate is labeled for use in NY beets and is a foundational product when used in combination with S-metolachlor to provide residual weed control at planting. Can be used, POST, for extended suppression:08/23

Use Pattern: (PCR): USE NORTRON 4 SC; APPLY 1-1.5 LB AI/A PREEMERGENCE AFTER SEEDING AND 0.33 LB AI/A POSTEMERGENCE TO 2-4 LEAF CHARD PLANTS; MAKE 1-2 APPLIC, 30-DAY INTERVAL, 30-DAY PHI; MAX 3 LB AI/A/YR; DO NOT APPLY IF CHARD IS UNDER STRESS

E/CS Data Requirements:

E/CS Research Comments: PER 2024 PERFORMANCE PROTOCOL: TEST SINGLE APPLIC OF NORTRON SC ALONE AT 1X AND 2X RATES (APPLIED PREEMEREGNCE BROADCAST), VS 2 APPLIC (1ST APPLIC PREEMERGENCE BROADCAST, FOLLOWED BY EARLY POSTEMERGENCE BROADCAST), VS IN COMBINATION WITH DUAL MAGNUM (+ CROP OIL CONCENTRATE [COC] WHEN APPLIED EPOST), VS COMMERCIAL STANDARDS, IN 10-60 GPA; NORTRON RATES SHOULD BE PER CURRENT LABEL RATES, AND BASED ON SOIL TYPE; SEE PROTOCOL FOR MORE APPLIC DELIVERY AND TIMING DETAILS; EVALUATE CROP INJURY, CROP YIELD AND WEED CONTROL

IR-4 Residue Trial Plan: ANY 4

Comments: NO EXPORT MARKETS NOTED; 8/11/04: DMP (ONLY) PR# XH124 CONVERTED TO PR# 12714:04/19; EPA GREEN:09/19; MFG PUT ON HOLD PENDING REG REVIEW:09/23/19; YELLOW 08/23; SPINACH IS ONLY THE LABEL FOR SEED PRODUCTION, NOT FOR HUMAN CONSUMPTION: 11/23, JPB; BOTH MOR & E/CS PROTOCOLS WERE SIGNED IN JAN 2024, SO RESEARCHABLE, RESIDUE & E/CS DATA NEEDED HAS BEEN UPDATED TO RESIDUE ON-GOING; E/CS DATA ON-GOING:02/24/sb

NER-EPA Region-FRD

24-NYP01 Sosnoskie, Lynn

NCR-EPA Region-FRD

24-OHP03 Robinson, Allison

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
13741	24-BAR01	A	MARCONI	MEFENTRIFLUCONAZOLE (BASF)	BROCCOLI	BRASSICA HEAD AND STEM VEGETABLE GROUP (05-16)

Reason for Need: Alternaria leaf spot (ALS); The disease is of growing concern to growers nationwide particularly in the Southwestern US/Coastal CA because of decreasing efficacy of narrow number of chemical fungicides available to control the disease. Furthermore due to the limited available chemistries the risk of pathogen resistance to the limited modes of action is considerably large. The goal of this study shall be to generate efficacy and phytotoxicity data to support the registration of Cevya (mefentrifluconazole) to control ALS:08/23; VA/Disease is of high concern for Southeastern growers. Limited availability of chemistries for resistance management:09/23

Use Pattern: (PCR): Apply Cevya at 5 fl oz/A as a foliar spray 3 times every 7 days, PHI = 0 days.

E/CS Data Requirements: MFG requires both E and CS data from at least 3-4 trials in California to generate the required data to secure registration with CA-DPR

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING FOLIAR APPLIC OF CEVYA AT 2 RATES (88.72 AND 148 ML PRODUCT/A, 3 APPLIC AT 7-DAY INTERVALS), COMPARED WITH A COMMERCIAL STANDARD, FOR CONTROL OF ALTERNARIA LEAF SPOT ON BROCCOLI; EVALUATE DISEASE INCIDENCE AND SEVERITY (INCLUDING HEAD ROT IF POSSIBLE), CROP INJURY AND CROP YIELD

IR-4 Residue Trial Plan: 6 10-4 12 (decline); NAFTA, 5-2, 10-6

Comments: Requester is looking for CA registration:08/23; Mfg supports as "Researchable, Residue and E/CS data needed" & mfg suggests adding additional decline sampling points for the RAC in the MOR trials to evaluate residue data from multiple PHI and offers to conduct the analytical phase of the residue program.:08/23/sb; EPA Green, 12/23; Residue signed 12/23. perf. not signed: 12/23 JPB; perf protocol signed, status changed from "complete w ongoing trials" to "Residue ongoing e/cs ongoing" 02/24/drs;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-TX307 Cochran, Kim

24-CA69 Ennes, D. (Kearney)
24-CA73 Skiles, Keri
24-CA70 Leach, Nathan
24-CA*71 Benzen, Ms. Sharon D.
24-CA*72 Benzen, Ms. Sharon D.
(decline)
24-NM216 Robbins, Chanz
(Region 10)
24-OR277 Lightle, Dani



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13741	-NONE	A	PATEL	MEFENTRIFLUCONAZOLE (BASF)	BROCCOLI	BRASSICA HEAD AND STEM VEGETABLE GROUP (05-16)

Reason for Need: Alternaria leaf spot (ALS); The disease is of growing concern to growers nationwide particularly in the Southwestern US/Coastal CA because of decreasing efficacy of narrow number of chemical fungicides available to control the disease. Furthermore due to the limited available chemistries the risk of pathogen resistance to the limited modes of action is considerably large. The goal of this study shall be to generate efficacy and phytotoxicity data to support the registration of Cevya (mefentrifluconazole) to control ALS:08/23; VA/Disease is of high concern for Southeastern growers. Limited availability of chemistries for resistance management:09/23

Use Pattern: (PCR): Apply Cevya at 5 fl oz/A as a foliar spray 3 times every 7 days, PHI = 0 days.

E/CS Data Requirements: MFG requires both E and CS data from at least 3-4 trials in California to generate the required data to secure registration with CA-DPR

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING FOLIAR APPLIC OF CEVYA AT 2 RATES (88.72 AND 148 ML PRODUCT/A, 3 APPLIC AT 7-DAY INTERVALS), COMPARED WITH A COMMERCIAL STANDARD, FOR CONTROL OF ALTERNARIA LEAF SPOT ON BROCCOLI; EVALUATE DISEASE INCIDENCE AND SEVERITY (INCLUDING HEAD ROT IF POSSIBLE), CROP INJURY AND CROP YIELD

IR-4 Residue Trial Plan: 6 10-4 12 (decline); NAFTA, 5-2, 10-6

Comments: Requester is looking for CA registration:08/23; Mfg supports as "Researchable, Residue and E/CS data needed" & mfg suggests adding additional decline sampling points for the RAC in the MOR trials to evaluate residue data from multiple PHI and offers to conduct the analytical phase of the residue program.:08/23/sb; EPA Green, 12/23; Residue signed 12/23. perf. not signed: 12/23 JPB; perf protocol signed, status changed from "complete w ongoing trials" to "Residue ongoing e/cs ongoing" 02/24/drs;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-VAP04 Higgins, Doug

24-CAP19 Wang, Yu-Chen
24-AZP04 Hu, Alex



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
13779	24-BAR04	A	MARCONI	MEFENTRIFLUCONAZOLE (BASF)	CABBAGE	BRASSICA HEAD AND STEM VEGETABLE GROUP (05-16)

Reason for Need: Alternaria leaf spot (ALS); ALS is a fungal disease that affects all cultivated cabbage & brassicas, causing small black spots that grow into large lesions with characteristic concentric rings on leaves, stems and heads. The disease is of growing concern to growers nationwide particularly in the SW US/Coastal CA because of decreasing efficacy of narrow number of fungicides available to control the disease. Due to the limited available chemistries the risk of pathogen resistance to the limited modes of action is large:09/23

Use Pattern: (PCR): Use Cevya; 5 fl. oz/A; Foliar application; Max 3 alternated applications/year; RTI: 7 days; PHI: days

E/CS Data Requirements: BASF requires both E and CS data from at least 3-4 trials in California to generate the required data to secure registration with CA-DPR:09/23

E/CS Research Comments:

IR-4 Residue Trial Plan: 1, 2, 3, 5, 6, 10 (Decline); NAFTA 1-2, 2-2, 5-2, 10-2

Comments: Mfg supports as Researchable, Residue & E/CS Data Needed, and BASF suggests that the GAP be finetuned so excessive residues are avoided on the harvested commodity which may not pass JMPR/Codex review. BASF suggests adding additional decline sampling points for the RAC in the MOR trials to evaluate residue data from multiple PHI. This approach would be similar to the residue program for broccoli in 2024 (PCR # 13741). And similar to the ongoing projects in hops (PR #13505) and broccoli, BASF offers to conduct the analytical phase of the residue program.:09/23; EPA Green 12/23;

NER-EPA Region-FRD

24-NJ212 Fisher, Jennifer

NCR-EPA Region-FRD

24-OH*249 Horst, Leona
24-OH248 Robinson, Allison

SOR-EPA Region-FRD

24-NC197 Smith, Stephen C
24-SC*298 Wade, Paul

WSR-EPA Region-FRD

24-CA86 Ennes, D. (Kearney)
24-CA*87 Benzen, Ms. Sharon D.
24-CA*88 Benzen, Ms. Sharon D.

CANADA-EPA Region-FRD

24-NS217 Bittner, Lori
(Zone 1)
24-QC288 Cloutier, Dominic
(decline)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13112	-	A	PATEL	AZOXYSTROBIN (SYNGEN)	CABBAGE (GH TRANSPLANT)	BRASSICA HEAD AND STEM VEGETABLE GROUP (05-16)

Reason for Need: SOIL-BORNE PATHOGENS; THERE ARE NO OTHER PRODUCTS REGISTERED; PER NH ME-TOO REQUEST: GROWERS HAVE STRUGGLED TO CONTROL ROOT ROTS ON VEGETABLE TRANSPLANTS WITHOUT FUNGICIDE TOOLS; PER IN, CT AND CA ME-TOO REQUEST: THERE ARE NO PRODUCTS LABELED FOR USE AGAINST ROOT ROT; PER FL ME-TOO REQUEST: NEEDED FOR DISEASE MANAGEMENT FOR TRANSPLANT PRODUCTION

Use Pattern: (PCR): USE THE HERITAGE PRODUCT; MAKE 2-3 DRENCH APPLIC, 7-14 DAY INTERVAL, 0-2 DAY PHI; RATE TO BE DETERMINED WITH THE MFG; APPLY WHILE IN THE PLUG, APPLY AT TRANSPLANT AND FOLLOWING TRANSPLANTING

E/CS Data Requirements:

E/CS Research Comments: IN THE 2023 PERFORMANCE PROTOCOL: EXAMINING AZOXYSTROBIN FOR CONTROL OF ROOT ROT IN GH CABBAGE TRANSPLANTS; TEST 2 DRENCH TRTS OF HERITAGE 50WG (DILUTION OF 1 OZ PRODUCT APPLIED AT 2 PT SPRAY SOLUTION/SQ FT AND 2 OZ PRODUCT APPLIED AT 1 PT SPRAY SOLUTION/SQ FT), BOTH TRTS RESULTING IN 3.4 LB AI/A; MAKE 3 CONTAINER DRENCH APPLIC, 7-DAY INTERVAL, WITH FINAL APPLIC THE DAY BEFORE PLANTS LEAVE THE GH; EVALUATE DISEASE INCIDENCE AND CROP PHYTOTOXICITY

IR-4 Residue Trial Plan: 1 2 3 5 6 10

Comments: ORIGINAL REQUEST WAS FOR GH BRASSICA TRANSPLANTS, AND IT WAS SPLIT INTO THREE REQUESTS, FOR THE 4-16B SUBGROUP REP CROP MUSTARD GREENS (PR# 13113) AND CROP GROUP 5-16 REP CROPS BROCCOLI (PR# 13111) AND CABBAGE; NO EXPORT MARKET NOTED; THERE IS A TOLERANCE, BUT THE EXPECTED HIGHER USE RATE AND DRENCH APPLIC MAY RESULT IN HIGHER RESIDUES; MAY EXPLORE IF THIS USE CAN BE SECURED VIA A CHEMSAC PROPOSAL:07/20; SYNG SUPPORTS, RESIDUE AND E/CS DATA NEEDED:09/20; EPA GREEN:08/21, 08/22; CHEMSAC FOR RESIDUE WILL BE PROVIDED TO EPA, CATEGORY CHANGED TO ECS DATA ONGOING:04/23, JPB; this study will be covered by ChemSAC "for residue" (tolerance to be pursued with no data proposal/petition):01/24/sb

<u>NER-EPA Region-FRD</u>	<u>NCR-EPA Region-FRD</u>	<u>SOR-EPA Region-FRD</u>	<u>WSR-EPA Region-FRD</u>	<u>CANADA-EPA Region-FRD</u>
	24-MIP05 Hausbeck, Dr. Mary K.		24-CAP09 Del Castillo Múnera, Joh:	



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12800	-NONE	+	AXTELL	ISOCYCLOSERAM (ISM-555) (SYNGEN)	BEAN (SNAP)	EDIBLE PODDED BEAN SUBGROUP (06-22A)

Reason for Need: SEED CORN MAGGOT; REPLACEMENT FOR CHLORPYRIPHOS; SEED TREATMENT WITH NEONICOTINOIDS IS ANOTHER OPTION BUT NOT ALWAYS AVAILABLE FOR ALL CULTIVARS AND PLANTING DATES, AND RESIDUES POSE RISK TO BEES; FEW EFFECTIVE OPTIONS EXIST; EFFECTIVE ORGANIC OPTIONS LACKING:08/19; PER NY 08/20 ME-TOO REQUEST: MORE EFFECTIVE OPTIONS ARE NEEDED

Use Pattern: (PCR): NO USE PATTERN DETAILS PROVIDED (ALL TBD)

E/CS Data Requirements: MFG NEEDS IN-FURROW EFFICACY DATA:09/19

E/CS Research Comments: IN THE 2024 PERFORMANCE PROTOCOL: EVALUATING EFFICACY AND CROP SAFETY WITH APPLIC OF ISOCYCLOSERAM (PLINAZOLIN TECHNOLOGY) AS A SEED TREATMENT ON SNAP BEANS FOR CONTROL OF SEEDCORN MAGGOT; TEST 2 SEED TREATMENT RATES OF ISOCYCLOSERAM (5 AND 10 G AI/100 KG OF SEED), VS THE STANDARD SEED TREATMENT OF THIAMETHOXAM; EVALUATE PLANT STAND AND SEEDCORN MAGGOT CONTROL AND ANY INSECTICIDE TREATMENT-INDUCED CROP INJURY

IR-4 Residue Trial Plan: 1 2 3 5-3 10 11

Comments: NO KEY EXPORT MARKET NOTED; REQUEST WAS FOR LEGUMES (SNAP BEANS, PEAS), AND WAS MADE INTO SNAP BEAN AND SUCCULENT PEAS (PR# 12801):08/19; MFG SUPPORTS, RESIDUE AND E/CS DATA NEEDED:09/19; MFG CHANGED TO POTENTIAL, FROM RESEARCHABLE, AT FUW:09/24/19; LAST STATUS CHANGE: 05/22; AR/Arkansas has some of the largest acreage of 06-22A podded beans (edamame) and more options are needed for effective seed treatments for many soil pests:09/23; Syngenta has agreed to update the status to again include residue, so once the E/CS protocol is signed, the status should be updated to "Researchable, E/CS on-Going; Residue Data Needed":01/24/sb

NER-EPA Region-FRD

24-DEP03 Owens, David
24-NYP02 Nault, B.A.

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13382	-NONE	+	BATTS	PYROXASULFONE (KICHEM)	BEAN, LIMA (SUCCULENT & DRIED SHELLED)	SUCCULENT SHELLED, PULSES DRIED SHELLED BEAN, EXCEPT SOYBEAN SUBGROUPS (06-22CE)

Reason for Need: CURRENTLY, PYROXASULFONE LABELS DO NOT ALLOW FOR ROTATING TO LIMA BEANS THE FOLLOWING SEASON; PYROXASULFONE (GROUP 15) IS NOT USED IN BROADLEAF VEGETABLE CROPS, AND BEING ABLE TO USE IT IN ROTATIONAL CROPS WILL ALLOW FOR A MORE DIVERSE HERBICIDE ROTATION OVER 2-YR PERIOD; IN ADDITION, PYROXASULFONE IS HIGHLY EFFECTIVE ON AMARANTHUS SPECIES TO ALLOW FARMERS TO ACHIEVE EFFECTIVE WEED CONTROL PRIOR TO PLANTING LIMA BEANS AND IMPROVE OVERALL WEED CONTROL

Use Pattern: (PCR): ZIDUA AND OTHERS AT 0.065-0.095 LB AI PREEMERGENCE OR EARLY POSTEMERGENCE, WITH 2 APPLIC; APPLY AS LABELED IN AGRONOMIC CROPS, BUT ALLOW LIMA BEANS TO BE PLANTED THE FOLLOWING SEASON; MAYBE LATE PLANTED SOYBEANS WOULD BE TOO SHORT OF AN INTERVAL

E/CS Data Requirements:

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING THE EFFECT OF PYROXASULFONE ON ROTATIONAL CROPS LIMA BEAN, SNAP BEAN, SPINACH AND WATERMELON, TO SUPPORT REDUCTION OF REGISTERED ROTATIONAL INTERVALS FOR VARIOUS CROPS FOLLOWING PYROXASULFONE APPLIC; MAKE ONE BROADCAST APPLIC TO BARE SOIL OF ZIDUA SC AT 4 AND 8 FL OZ/A, IN AT LEAST 5 GPA, APPLIED 9 MONTHS BEFORE PLANNED PLANTING OF THE ROTATIONAL CROPS (2 LIMA BEAN VARIETIES, 2 SNAP BEAN VARIETIES, AND 1 VARIETY OF SPINACH AND WATERMELON - ALL BUT WATERMELON WILL BE SEEDED, WATERMELON TO BE TRANSPLANTED); EVALUATE ROTATIONAL CROP STAND COUNT AND PLANT VIGOR; SEE PROTOCL FOR OTHER DETAILED REQUIREMENTS

IR-4 Residue Trial Plan:

Comments: EPA GREEN 08/22; performance protocol signed, status changed from "Potential: E/CS data before approval for residue study" to "E/CS data ongoing" 02/24/drs;

<u>NER-EPA Region-FRD</u>		<u>NCR-EPA Region-FRD</u>		<u>SOR-EPA Region-FRD</u>	<u>WSR-EPA Region-FRD</u>	<u>CANADA-EPA Region-FRD</u>
24-DEP01	VanGessel, M.	24-INP01	Meyers, Stephen L (NCR)			
24-MDP02	Vollmer, Kurt	24-OHP05	Robinson, Allison			



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13541	23-FLR02	A	MARCONI	FLUAZIFOP-P-BUTYL (SYNGEN)	PEA (SUCCULENT SHELLLED)	SUCCULENT SHELLLED PEA SUBGROUP (06-22D)

Reason for Need: UPDATED FROM 02079: GRASSES; PER PROJECT NOMINATION COMMENTS: THIS PRODUCT WORKS WELL IN THIS CROP AND WOULD GIVE GROWERS ANOTHER HERBICIDE TYPE FOR GRASS CONTROL, FROM 02079: 03/23 JPB:

Use Pattern: (PCR): 15 DAY PHI; 12-16 FL OZ/A; UP TO 48 FL OZ/A PER YEAR

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 1/2 5-4 11-2 12; 1 Red A trial needed and it must be a Decline trial.

Comments: PLEASE SEE PR# 02079

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-OH234 Robinson, Allison
(decline)

24-ID142 Meeks, Mr. Will
(decline)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P5295	-NONE	+	BATTS	PYRIDATE (BELCHIM)	PEA (EDIBLE PODDED & SUCCULENT SHELLLED)	EDIBLE PODDED AND SUCCULENT SHELLLED PEA/BEAN SUBGROUPS (06AB)

Reason for Need: BROADLEAF WEEDS; PER DE ME-TOO REQUEST: THIS USE HAS POTENTIAL FOR PROCESSING PEAS (SAW NO INJURY NOR DELAYS IN FLOWERING); WITH LACK OF SOIL RESIDUAL ACTIVITY, IT WOULD NOT INTERFERE WITH PLANTING A SECOND CROP IMMEDIATELY AFTER HARVEST:07/20; SSR from NY, Pyridate has been shown to be an effective tool for controlling lambsquarters in NYS trials and could be a very valuable tool for managing this early emerging species in peas:07/23

Use Pattern: (PCR):

E/CS Data Requirements: BELCHIM WOULD SUPPORT EVALUATING A DRY FORMULATION FOR CROP TOLERANCE:05/18; BELCHIM CONDUCTED TRIALS IN 2020, 2021, 2022; THEY ARE INVESTIGATING LOWER RATES AND COMBINATION TREATMENTS TO TRY TO DETERMINE BEST OPTIONS:07/22

E/CS Research Comments: PER 2024 PERFORMANCE PROTOCOL: TESTING TOUGH 5EC PRODUCT AT 3 RATES + NONIONIC SURFACTANT (NIS) (0.47, 0.70 AND 0.94 LB AI/A), VS A TRT WITH THE 0.70 RATE + A CROP OIL CONCENTRATE (COC), VS A STANDARD; MAKE 1 FOLIAR BROADCAST POSTEMERGENCE APPLIC OF TRTS WHEN WEEDS ARE LESS THAN 4-LF STAGE, IN 20-30 GPA; EVALUATE WEED CONTROL, CROP SAFETY AND CROP YIELD; SEE PROTOCOL FOR OTHER TRIAL MAINTENANCE INFORMATION

IR-4 Residue Trial Plan:

Comments: MFG WILL NOT SUPPORT WP FORMULATION:10/97; USE CANCELED:05/04; THERE IS NO TOLERANCE ESTABLISHED FOR EDIBLE-PODDED & SUCCULENT SHELLLED PEA; A DRY FORMULATION IS BETTER SUITED FOR PEAS, AND IS AVAILABLE FOR TESTING; BELCHIM WOULD SUPPORT EVALUATING A FORMULATION FOR CROP TOLERANCE, IF THERE IS INTEREST BY IR-4 STAKEHOLDERS:05/18; MFG AND IR-4 ASSESSING VALUE OF AN OLD IR-4 RESIDUE STUDY:08/18; BELCHIM CONSIDERING SUPPORTING EC OVER WP, AS THE EC WILL BE REGISTERED SOONER:05/19; EPA PENDING:09/19; MFG IS DOING DRY PEAS:06/20; EPA CAUTION:08/20; Advised EPA Caution at 2023 FUW:09/23/sb; Status of "Potential: E/CS Data before Approval for Residue Study updated to E/CS data ongoing:02/24/DRS & sb;

NER-EPA Region-FRD

24-DEP02 VanGessel, M.
24-MDP03 Vollmer, Kurt
24-NJP02 Besancon, Thierry
24-NYP06 Sosnoskie, Lynn

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>										
P13511	-	A	PATEL	INPYRFLUXAM (VALENT)	TOMATO	TOMATO SUBGROUP (08-10A)										
<p><u>Reason for Need:</u> SOUTHERN BLIGHT (SCLEROTIUM ROLFSII); THERE ARE ACTIVE INGREDIENTS CURRENTLY REGISTERED FOR FIELD CONTROL OF SOUTHERN BLIGHT OF TOMATO BUT THEY ARE NOT EFFECTIVE; IN RECENT YEARS, THERE HAS BEEN AN INCREASE OF SOUTHERN BLIGHT LIKELY DUE TO ABNORMAL WEATHER PATTERNS DURING PLANTING AND LACK OF CONTROL OF LABELED PRODUCTS; HAVING THE OPTION OF FUNGICIDE APPLIC WITH EFFECTIVE ACTIVE INGREDIENTS WHEN THE DISEASE OCCURS WOULD REDUCE LOSSES THAT TOMATO GROWERS ARE EXPERIENCING DUE TO SOUTHERN BLIGHT</p> <p><u>Use Pattern: (PCR):</u> EXCALIA; DOSE RATE 10 FL IZ/A</p> <p><u>E/CS Data Requirements:</u></p> <p><u>E/CS Research Comments:</u> PER THE 2023 PERFORMANCE PROTOCOL: TESTING INPYRFLUXAM FOR EFFICACY AND CROP SAFETY IN THE MANAGEMENT OF SOUTHERN BLIGHT ON A LOCAL COMMERCIAL VARIETY SUSCEPTIBLE TO THIS PATHOGEN; MAKE 4 DRENCH APPLIC OF 2 FL OZ OF EXCALIA/A, DIRECTED TO THE BASE OF PLANTS; FIRST APPLIC SHOULD BE MADE AT TRANSPLANTING IN 500 GPA; APPLIC 2 TO 4 SHOULD BE MADE IN 70 GPA AT 30, 60 AND 90 DAYS AFTER THE 1ST DRENCH APPLIC; 1-DAY PHI; ASSESS DISEASE INCIDENCE AND SEVERITY, CROP INJURY AND MARKETABLE YIELD</p> <p><u>IR-4 Residue Trial Plan:</u> 1 2 3-2 5 10-11; 1 DECLINE; A PROCESSING STUDY (PASTE & PUREE)</p> <p><u>Comments:</u></p>																
<table><tr><td><u>NER-EPA Region-FRD</u></td><td><u>NCR-EPA Region-FRD</u></td><td><u>SOR-EPA Region-FRD</u></td><td><u>WSR-EPA Region-FRD</u></td><td><u>CANADA-EPA Region-FRD</u></td></tr><tr><td></td><td></td><td>24-FLP10 Vallad, Gary</td><td>24-CAP14 Sidhu, Jaspreet</td><td></td></tr></table>							<u>NER-EPA Region-FRD</u>	<u>NCR-EPA Region-FRD</u>	<u>SOR-EPA Region-FRD</u>	<u>WSR-EPA Region-FRD</u>	<u>CANADA-EPA Region-FRD</u>			24-FLP10 Vallad, Gary	24-CAP14 Sidhu, Jaspreet	
<u>NER-EPA Region-FRD</u>	<u>NCR-EPA Region-FRD</u>	<u>SOR-EPA Region-FRD</u>	<u>WSR-EPA Region-FRD</u>	<u>CANADA-EPA Region-FRD</u>												
		24-FLP10 Vallad, Gary	24-CAP14 Sidhu, Jaspreet													



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13500	-	A	BATTS	TIAFENACIL (ISK)	TOMATO	TOMATO SUBGROUP (08-10A)
<p><u>Reason for Need:</u> ANNUAL BROADLEAF WEEDS AND GRASSES; AS A NONSELECTIVE HERBICIDE PROVIDE GOOD CONTROL OF BROADLEAF AND GRASSES BEFORE PLANTING THE CROP AND ALSO CAN BE USED IN ROW MIDDLE DURING THE SEASON. CAN BE USED AS AN ALTERNATIVE TO PARAQUAT. DUE TO LACK OF RESIDUAL, CAN BE USED IN MULTIPLE CROPPING SYSTEMS. IMPROVE THE CONTROL OF RESISTANT WEEDS;</p> <p><u>Use Pattern: (PCR):</u> DOSAGE: 0.022 TO 0.067 LB AI/A, FOLIAR APPLICATION, APPLY ON STALE SEED BED PRIOR TO PLANTING CROP (PRE-PLANT), PRE-TRANSPLANT OVER MULCH PLASTIC MULCH, USE HOODED OR SHIELDED BOOM TO APPLY IN ROW MIDDLES AFTER CROP ESTABLISHMENT IN BARE GROUND AND PLASTICULTURE SYSTEM.</p> <p><u>E/CS Data Requirements:</u></p> <p><u>E/CS Research Comments:</u> IN THE PERFORMANCE PROTOCOL FOR 2023 TRIALS: EVALUATING PERFORMANCE OF TIAFENACIL (REVITON 2.83 SC) ON TOMATO AND PEPPER, IN BARE GROUND CULTURE AND IN PLASTIC MULCH CULTURE; TESTING 3 RATES OF REVITON (0.022, 0.033 AND 0.066 LB AI/A, PLUS METHYLATED SEED OIL [MSO] PER THE REVITON LABEL), IN 15-20 GPA, COMPARED WITH A WEED-FREE UNTREATED; SEE PROTOCOL FOR DETAILED APPLIC TIMINGS AND OTHER REQUIREMENTS; EVALUATE CROP INJURY, CROP YIELD AND WEED CONTROL</p> <p><u>IR-4 Residue Trial Plan:</u> 1 2 3-2 5 10-7; A PROCESSING STUDY (PASTE & PUREE)</p> <p><u>Comments:</u></p>						
<u>NER-EPA Region-FRD</u>		<u>NCR-EPA Region-FRD</u>		<u>SOR-EPA Region-FRD</u>		<u>WSR-EPA Region-FRD</u>
						<u>CANADA-EPA Region-FRD</u>
						24-AZP02 Pena, Marco
						24-AZP01 Tickles, B.



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13289	24-FLR03	A	DINEEN	GF-4031 (CORTEVA)	TOMATO (GH)	TOMATO SUBGROUP (08-10A)

Reason for Need: POWDERY MILDEW; ROTATIONAL PRODUCT FOR RESISTANCE MANAGEMENT, THIS PRODUCT IS A UNIQUE FRAC GROUP PER CORTEVA PRESENTATION (IR-4 2021)

Use Pattern: (PCR): GF-4031, 35 -50 G AI/HA, 0.03-0.04 LB AI/A; 20G/L EC; APPLIED FOLIARLY WITH 3 APPLICATIONS AND A 7 DAY RETREATMENT INTERVAL; 0-1 DAY PHI;

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: Any 4 trials (large & small)

Comments: Residue ongoing, status will be changed to "residue ongoing, E/CS ongoing" once performance protocol is signed 02/24/DRS;

NER-EPA Region-FRD

24-MD159 James Hickman, Mega
(small)

NCR-EPA Region-FRD

24-WI352 Chapman, Scott
(Large)

SOR-EPA Region-FRD

24-FL102 Thomas, Darrell
(Large)
24-NC179 Smith, Stephen C
(Small)

WSR-EPA Region-FRD

24-CA35 Ennes, D. (Kearney)
(Large)

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
13798	24-FLR13	A	MARCONI	FLUAZIFOP-P-BUTYL (SYNGEN)	PEPPER (BELL & NONBELL)	PEPPER/NON-BELL PEPPER/EGGPLANT SUBGROUPS (08-10BC)

Reason for Need: Copied from PR# 02082: GRASSES; PER PROJECT NOMINATION COMMENTS: WOULD BE NICE TO HAVE FOR CA IMPERIAL VALLEY AND NM CHILES; IMPORTANT NEED FOR SOUTHERN STATES; NEEDED FOR PERENNIAL GRASS CONTROL

Use Pattern: (PCR):

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: BELL: 2-2 3-2 5 6 10-2; NON: 2/3/5 8 9 10 (2 declines - 1 each)

Comments: PR# 02082 rec'd a "B" priority at the 2023 FUW and was upgraded to an "A" as a result of studies needed to replace others removed for ChecmSACs. This new pr# was created since former PR# 02082 already had a residue study years ago & you can refer to pr# 02082 for add'l comments:01/24/sb;

NER-EPA Region-FRD

24-NJ381 Fisher, Jennifer
(non-bell)

NCR-EPA Region-FRD

24-OH374 Robinson, Allison
(bell) (decline)

SOR-EPA Region-FRD

24-NC370 Smith, Stephen C
(bell)
24-SC*371 Wade, Paul
(bell)
24-FL372 Long, Michael
(bell)
24-GA*373 Fraelich, Ben
(bell)
24-TX375 Jones, Trevor
(bell)
24-FL380 Long, Michael
(non-bell) (non-bell)

WSR-EPA Region-FRD

24-CA376 Leach, Nathan
(bell)
24-CA377 Skiles, Keri
(bell)
24-CA*378 Benzen, Ms. Sharon D.
(bell)
24-CA*379 Benzen, Ms. Sharon D.
(non-bell)
24-NM382 Robbins, Chanz
(non-bell)

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
08037	24-FLR01	A	PIKE	PYRIDABEN (GOWAN)	PEPPER (BELL & NONBELL) (GH)	PEPPER/NON-BELL PEPPER/EGGPLANT SUBGROUPS (08-10BC)

Reason for Need: WHITEFLIES, MITES

Use Pattern: (PCR): 30-50 GPA; 30-DAY INTERVAL; 1-DAY PHI

E/CS Data Requirements:

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: COMPARING EFFICACY AND CROP SAFETY OF PYRIDABEN (SANMITE SC) FOR ONTROL OF TWO-SPOTTED SPIDER MITES ON GH PEPPERS (VS A FENPYROXIMATE STANDARD); MAKE 2 FOLIAR APPLIC OF 284 ML/A OF SANMITE SC AT A 30-DAY INTERVAL, WITH A 2-DAY PHI; INCLUDE A NON-IONIC ACTIVATOR TYPE WETTING, SPREADING OR PENETRATING ADJUVANT OR HORTICULTURAL SPRAY OIL ADJUVANT (DO NOT USE A DORMANT OIL OR BINDER OR STICKER-TYPE ADJUVANT); NIS ADJUVANTS SHOULD CONTAIN AT LEAST 75% SURFACTANT; CROP OIL CONCENTRATES (COC). METHYLATED SEED OR VEGETABLE OILS (MSO), ORGANOSILICONE PRODUCTS, OR BLENDS OF THESE ADJUVANTS SHOULD CONTAIN AT LEAST 15% EMULSIFIER/SURFACTANT; EVALUATE MITE CONTROL EFFICACY AND CROP INJURY

IR-4 Residue Trial Plan: Any 4 trials (bell & nonbell)

Comments: CANADIAN RESIDUE DATA AVAILABLE FROM TRIALS IN BC; MFG HOLD:07/11; AI IS IN REG. REVIEW WITH EXPECTED COMPLETION IN 2018; NEW USES ON-HOLD UNTIL REG REVIEW IS COMPLETED:07/14; RESEARCHABLE, RESIDUE ONLY; LABELED IN CANADA (DYNOMITE):07/17; CANADIAN LABEL IS BASED ON MFG DATA; THIS IS MFG OBJ PER MFG 8/7/18 EMAIL:08/18; EPA GREEN:09/18; MFG WOULD ADD TO SANMITE LABEL, BUT MUST CONFIRM WHAT MIGHT BE NEEDED TO ADD THE USE:06/19; Project status changed from MFG Obj to Researchable, needs E/CS and residue data; MFG supports adding use to the Sunmite SC label: 05/23, JPB;; EPA GREEN: 08/23; Advised EPA Caution at the 2023 FUW:09/23/sb; E/CS ongoing, status will be updated to "E/CS ongoing ,Residue ongoing" once residue protocol is signed 02/24/DRS: Status changed to "Residue ongoing, E/CS ongoing" 02/24/DRS;

NER-EPA Region-FRD

24-MD153 Ross, Marylee
(Bell)

NCR-EPA Region-FRD

24-OH*220 Horst, Leona
(non-bell)

SOR-EPA Region-FRD

24-FL90 Long, Michael
(Bell)
24-SC*291 Wade, Paul
(Nonbell)

WSR-EPA Region-FRD

24-CA05 Ennes, D. (Kearney)
(non-bell)

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P8037	-	A	AXTELL	PYRIDABEN (GOWAN)	PEPPER (BELL & NONBELL) (GH)	PEPPER/NON-BELL PEPPER/EGGPLANT SUBGROUPS (08-10BC)

Reason for Need: WHITEFLIES, MITES

Use Pattern: (PCR): 30-50 GPA; 30-DAY INTERVAL; 1-DAY PHI

E/CS Data Requirements:

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: COMPARING EFFICACY AND CROP SAFETY OF PYRIDABEN (SANMITE SC) FOR ONTROL OF TWO-SPOTTED SPIDER MITES ON GH PEPPERS (VS A FENPYROXIMATE STANDARD); MAKE 2 FOLIAR APPLIC OF 284 ML/A OF SANMITE SC AT A 30-DAY INTERVAL, WITH A 2-DAY PHI; INCLUDE A NON-IONIC ACTIVATOR TYPE WETTING, SPREADING OR PENETRATING ADJUVANT OR HORTICULTURAL SPRAY OIL ADJUVANT (DO NOT USE A DORMANT OIL OR BINDER OR STICKER-TYPE ADJUVANT); NIS ADJUVANTS SHOULD CONTAIN AT LEAST 75% SURFACTANT; CROP OIL CONCENTRATES (COC). METHYLATED SEED OR VEGETABLE OILS (MSO), ORGANOSILICONE PRODUCTS, OR BLENDS OF THESE ADJUVANTS SHOULD CONTAIN AT LEAST 15% EMULSIFIER/SURFACTANT; EVALUATE MITE CONTROL EFFICACY AND CROP INJURY

IR-4 Residue Trial Plan: Any 4 trials (bell & nonbell)

Comments: CANADIAN RESIDUE DATA AVAILABLE FROM TRIALS IN BC; MFG HOLD:07/11; AI IS IN REG. REVIEW WITH EXPECTED COMPLETION IN 2018; NEW USES ON-HOLD UNTIL REG REVIEW IS COMPLETED:07/14; RESEARCHABLE, RESIDUE ONLY; LABELED IN CANADA (DYNOMITE):07/17; CANADIAN LABEL IS BASED ON MFG DATA; THIS IS MFG OBJ PER MFG 8/7/18 EMAIL:08/18; EPA GREEN:09/18; MFG WOULD ADD TO SANMITE LABEL, BUT MUST CONFIRM WHAT MIGHT BE NEEDED TO ADD THE USE:06/19; Project status changed from MFG Obj to Researchable, needs E/CS and residue data; MFG supports adding use to the Sunmite SC label: 05/23, JPB;; EPA GREEN: 08/23; Advised EPA Caution at the 2023 FUW:09/23/sb; E/CS ongoing, status will be updated to "E/CS ongoing ,Residue ongoing" once residue protocol is signed 02/24/DRS: Status changed to "Residue ongoing, E/CS ongoing" 02/24/DRS;

NER-EPA Region-FRD

24-NYP05 Gilrein, Dan

NCR-EPA Region-FRD

SOR-EPA Region-FRD

24-NCP08 Lopez, Lorena (NC)

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13545	24-FLR05	A	DINEEN	GF-4031 (CORTEVA)	PEPPER (GH)	PEPPER/NON-BELL PEPPER/EGGPLANT SUBGROUPS (08-10BC)

Reason for Need: POWDERY MILDEW; ROTATIONAL PRODUCT FOR RESISTANCE MANAGEMENT, THIS PRODUCT IS A UNIQUE FRAC GROUP PER CORTEVA PRESENTATION (IR-4 2021);

Use Pattern: (PCR):

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 4 TRIALS (bell & nonbell)

Comments: Mfg supported at the 2023 FUW as Researchable, Residue & E/CS Data Needed:09/23/sb; Residue ongoing, status will be updated to "Residue ongoing, E/CS ongoing" once performance protocol is signed 02/24/DRS;

NER-EPA Region-FRD

24-MD161 James Hickman, Mega
(bell)

NCR-EPA Region-FRD

24-OH*235 Horst, Leona
(Bell)
24-WI354 Chapman, Scott
(Bell)

SOR-EPA Region-FRD

24-FL106 Thomas, Darrell
(Nonbell)
24-NC180 Smith, Stephen C
(Nonbell)

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P9025	-NONE	+	BATTS	SULFENTRAZONE (FMC)	PEPPER (NONBELL)	PEPPER/NON-BELL PEPPER/EGGPLANT SUBGROUPS (08-10BC)

Reason for Need: WEEDS, NUTSEDGE, ANNUAL MORNINGGLORY; PER NJ ME-TOO REQUEST: THIS USE WOULD BRING AN EFFECTIVE SOLUTION FOR YELLOW NUTSEDGE CONTROL POSTEMERGENCE

Use Pattern: (PCR): 0.09-0.188 LB AI/A; POST DIRECTED

E/CS Data Requirements: SEVERAL TRIALS IN STATES DESIRING SLN

E/CS Research Comments: NOTE: SEVERAL EFFICACY REPORTS THAT INCLUDE DATA FOR POST DIRECTED USE CAN BE FOUND UNDER PR# 08048, SULFENTRAZONE / PEPPER (BELL & NONBELL):05/20; IN THE 2024 PERFORMANCE PROTOCOL: TESTING 2 RATES OF SPARTAN 4F PRODUCT (MAX LABELED 1X AND 2X RATES, WITH SOIL TYPE AT TRIAL SITES DETERMINING RATE USED), USING 2 METHODS OF APPLIC PLACEMENT AND TIMING; TRIALS WILL BE CONDUCTED IN BARE GROUND CULTURE AND IN PLASTIC MULCH CULTURE; EACH TRIAL SHOULD INCLUDE AT LEAST 2 BELL AND 2 NON-BELL PEPPER VARIETIES; SEE PROTOCOL FOR MORE DETAILED TRIAL REQUIREMENTS; EVALUATE CROP INJURY, WEED CONTROL AND CROP YIELD

IR-4 Residue Trial Plan:

Comments: TOLERANCE ESTABLISHED FOR NEW VEGETABLE, FRUITING, GROUP 8-10:02/11; MFG REQUIRES MORE CROP SAFETY DATA BEFORE LABELING AS SLN:06/11; MFG DOING MORE CROP SAFETY WORK BEFORE LABELING:05/12; MFG NOT COMFORTABLE TO ADD PEPPER TO THE LABEL, BUT WILL CONSIDER ON A STATE BY STATE BASIS, WITH STRICT LABEL LANGUAGE, BASED ON AVAILABLE DATA:05/18; PLEASE NOTE THAT SEVERAL REPORTS FOR POST DIRECTED USE CAN BE FOUND UNDER PR# 08048, SULFENTRAZONE / PEPPER (BELL & NONBELL):05/20; Tol est, need E/CS data to add Crop/Pest updated to E/CS data is ongoing 02/24/DRS & sb;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FLP02 Boyd, Nathan
24-FLP03 Dittmar, Dr. Peter
24-FLP19 Kanissery, Ramdas



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
12582	24-CAR04	A	BYRTUS	FLUMIOXAZIN + PYROXASULFONE (KICHEM,VALENT)	CANTALOUPE	MELON SUBGROUP (09A)
<p>Reason for Need: BROADLEAF AND GRASS CONTROL WITH A SPECIAL EMPHASIS ON RAGWEED PARTHENIUM, A WEED FOR WHICH THERE IS NOT CURRENTLY AN EFFECTIVE MANAGEMENT TOOL; RAGWEED PARTHENIUM IS INCREASINGLY PROBLEMATIC AND IS RESISTANT OR TOLERANT TO CURRENT REGISTERED HERBICIDES; PER NC ME-TOO REQUEST: THERE ARE LIMITED ALTERNATIVES FOR WEED CONTROL IN ROW MIDDLES</p> <p>Use Pattern: (PCR): REQUESTOR INDICATED THE PRODUCT AS COBRA (LACTOFEN), BUT THE AI IS SPECIFIED AS FLUMIOXAZIN + PYROXASULFONE, WHICH IS THE FIERCE PRODUCT; USE PATTERN GIVEN IS: MAKE 2 SOIL OR FOLIAR APPLIC, 14 DAYS APART; APPLY AS A PRE TO SOIL OR AS A POST ON PLANTS LESS THAN 5 INCHES TALL; DO NOT ALLOW TO COME IN CONTACT WITH THE CROP; NO RATE OR PHI SPECIFIED; REQUESTOR ASKED THAT THE USE PATTERN BE CLARIFIED TO READ LIKE THAT FOR TOMATO AND PEPPER (PR#S 12576 AND 12577): MAKE 2 PRE APPLIC TO THE SOIL IN ROW MIDDLES, USING A SHIELDED APPLICATOR, 14 DAYS APART:05/19</p> <p>E/CS Data Requirements: MIMIC WHAT WAS DONE WITH FRUITING VEG TRIALS; NEED 4 TRIALS; TEST VINING CUCURBITS (SQUASH [12581] AT A FEW SITES) CUCUMBER (12580) AND MELON (12582) IN THE SAME PLOTS; NO CA TRIALS NEEDED AS THIS PRODUCT FIERCE IS NOT TO BE REGISTERED THERE:09/20</p> <p>E/CS Research Comments: MFG SUGGESTS SETTING UP E/CS PROTOCOL LIKE THE TOMATO/PEPPER PROTOCOL - 3, 4.5 AND 6 OZ/A, APPLIED TWICE TO ROW MIDDLES (INTERVAL TBD), BEGINNING WHEN WEEDS ARE 2-4" TALL, NO CONTACT WITH CROP ALLOWED:07/20; SEE PR# 12580/CUCUMBER AND 12581/SQUASH FOR PERFORMANCE TRIALS COVERING CUCURBIT CROPS</p> <p>IR-4 Residue Trial Plan: 2 5 6 10-3</p> <p>Comments: TOLERANCE IS ESTABLISHED FOR FLUMIOXAZIN ON CUCURBIT VEGETABLES CROP GROUP 9; CANADA AND MEXICO NOTED AS KEY EXPORT MARKETS:07/18; VALENT AND KUMIAI SUPPORT, BUT KUMIAI REQUIRES PERFORMANCE DATA BEFORE APPROVAL FOR RESIDUE WORK:08/18; STATUS UPDATED TO RESEARCHABLE, E/CS ON-GOING; RESIDUE DATA NEEDED:10/22; STATUS UPDATED TO RESEARCHABLE, E/CS ON-GOING; RESIDUE DATA NEEDED:10/22; STATUS CHANGED TO ECS DATA ONGOING:04/23, JPB; ONCE ECS DATA HAS BEEN REVIEWED AND APPROVED BY MFG TO MAKE RESEARCHABLE, ONLY RESIDUE DATA NEEDED THIS PR# WILL NEED TO GO TO THE FUW FOR RESIDUE PRIORITIZATION: 04/23 JPB;; YELLOW 08/23; COMMODITY OF MELON CHANGED TO CANTALOUPE:09/23/sb</p>						
NER-EPA Region-FRD		NCR-EPA Region-FRD		SOR-EPA Region-FRD		WSR-EPA Region-FRD
24-MD155	James Hickman, Mega	24-OH*224	Horst, Leona	24-GA*119	Fraelich, Ben	24-CA10 Skiles, Keri
				24-SC*294	Wade, Paul	(No decline, soil issue)
				24-TX303	Cochran, Kim	24-CA11 Leach, Nathan
						24-NM213 Robbins, Chanz
						(Reg 10)
CANADA-EPA Region-FRD						



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12580	24-CAR02	A	BYRTUS	FLUMIOXAZIN + PYROXASULFONE (KICHEM,VALENT)	CUCUMBER	SQUASH/CUCUMBER SUBGROUP (09B)

Reason for Need: BROADLEAF AND GRASS CONTROL WITH A SPECIAL EMPHASIS ON RAGWEED PARTHENIUM, A WEED FOR WHICH THERE IS NOT CURRENTLY AN EFFECTIVE MANAGEMENT TOOL; RAGWEED PARTHENIUM IS INCREASINGLY PROBLEMATIC AND IS RESISTANT OR TOLERANT TO CURRENT REGISTERED HERBICIDES; PER NJ ME-TOO REQUEST, THERE IS OVERRELIANCE ON THE FEW CURRENTLY LABELED HERBICIDES FOR TOUGH-TO-CONTROL WEEDS SUCH AS COMMON RAGWEED, AND THIS PRODUCT WOULD PROVIDE GREATER FLEXIBILITY AND DIVERSIFY THE NUMBER OF SOA IN AN HERBICIDE RESISTANCE MANAGEMENT PERSPECTIVE; PER NC ME-TOO REQUEST: THERE ARE LIMITED ALTERNATIVES FOR WEED CONTROL IN ROW MIDDLES

Use Pattern: (PCR): REQUESTOR INDICATED THE PRODUCT AS COBRA (LACTOFEN), BUT THE AI IS SPECIFIED AS FLUMIOXAZIN + PYROXASULFONE, WHICH IS THE FIERCE PRODUCT; USE PATTERN GIVEN IS: MAKE 2 SOIL OR FOLIAR APPLIC, 14 DAYS APART; APPLY AS A PRE TO SOIL OR AS A POST ON PLANTS LESS THAN 5 INCHES TALL; DO NOT ALLOW TO COME IN CONTACT WITH THE CROP; NO RATE OR PHI SPECIFIED; REQUESTOR ASKED THAT THE USE PATTERN BE CLARIFIED TO READ LIKE THAT FOR TOMATO AND PEPPER (PR#S 12576 AND 12577): MAKE 2 PRE APPLIC TO THE SOIL IN ROW MIDDLES, USING A SHIELDED APPLICATOR, 14 DAYS APART:05/19

E/CS Data Requirements: MIMIC WHAT WAS DONE WITH FRUITING VEG TRIALS; NEED 4 TRIALS; TEST VINING CUCURBITS (SQUASH [12581] AT A FEW SITES) CUCUMBER (12580) AND MELON (12582) IN THE SAME PLOTS; NO CA TRIALS NEEDED AS THIS PRODUCT FIERCE IS NOT TO BE REGISTERED THERE:09/20

E/CS Research Comments: MFG SUGGESTS SETTING UP E/CS PROTOCOL LIKE THE TOMATO/PEPPER PROTOCOL - 3, 4.5 AND 6 OZ/A, APPLIED TWICE TO ROW MIDDLES (INTERVAL TBD), BEGINNING WHEN WEEDS ARE 2-4" TALL, NO CONTACT WITH CROP ALLOWED:07/20; PER THE 2021 PERFORMANCE PROTOCOL: TESTING 6, 9, 12 OZ/A OF FIERCE EZ PRODUCT VS A LABELED STANDARD; INCLUDE A NONIONIC SURFACTANT AT 0.25% V/V OR A CROP OIL CONCENTRATE AT 1 QT/A; APPLY IN >5 GPA POSTEMERGENCE TO ROW MIDDLES ONLY; MAKE 2 APPLIC 14 DAYS APART, WITH 1ST APPLIC WHEN WEEDS ARE 2-4 IN TALL AND 2ND APPLIC JUST BEFORE PLANTS VINE INTO THE ROW MIDDLES; EVALUATE FOR CROP INJURY, WEED CONTROL AND CROP YIELD

IR-4 Residue Trial Plan: 2-2 3 5-2 6; NAFTA 2-3, 3, 5-3, 10

Comments: TOLERANCE IS ESTABLISHED FOR FLUMIOXAZIN ON CUCURBIT VEGETABLES CROP GROUP 9; CANADA AND MEXICO NOTED AS KEY EXPORT MARKETS:07/18; VALENT AND KUMIAI SUPPORT, BUT KUMIAI REQUIRES PERFORMANCE DATA BEFORE APPROVAL FOR RESIDUE WORK:08/18; STATUS UPDATED TO RESEARCHABLE, E/CS ON-GOING; RESIDUE DATA NEEDED:10/22; STATUS CHANGED TO ECS DATA ONGOING:04/23, JPB; ONCE ECS DATA HAS BEEN REVIEWED AND APPROVED BY MFG TO MAKE RESEARCHABLE, ONLY RESIDUE DATA NEEDED THIS PR# WILL NEED TO GO TO THE FUW FOR RESIDUE PRIORITIZATION: 04/23 JPB;; YELLOW 08/23

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

24-MD154 (pickling)	James Hickman, Mega	24-OH222 (pickling)	Robinson, Allison	24-FL96 (slicing)	Thomas, Darrell
		24-OH*221 (slicing)	Horst, Leona	24-GA*117 (pickling)	Fraelich, Ben
				24-NC173 (pickling)	Smith, Stephen C
				24-SC*292 (slicing)	Wade, Paul
				24-TX301 (slicing)	Cochran, Kim



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13498	-NONE	A	BATTS	TIAFENACIL (ISK)	CUCUMBER	SQUASH/CUCUMBER SUBGROUP (09B)

Reason for Need: ANNUAL BROADLEAF WEEDS AND GRASSES; AS A NONSELECTIVE HERBICIDE PROVIDE GOOD CONTROL OF BROADLEAF AND GRASSES BEFORE PLANTING THE CROP AND ALSO CAN BE USED IN ROW MIDDLE DURING THE SEASON. CAN BE USED AS AN ALTERNATIVE TO PARAQUAT. DUE TO LACK OF RESIDUAL, CAN BE USED IN MULTIPLE CROPPING SYSTEMS. IMPROVE THE CONTROL OF GLYPHOSATE AND ALS RESISTANT WEEDS;

Use Pattern: (PCR): DOSAGE: 0.022 TO 0.067 LB AI/A, FOLIAR APPLICATION, 1 OR 2 APPLICATIONS, APPLY ON STALE SEED BED PRIOR TO PLANTING CROP (PRE-PLANT), PRE-TRANSPLANT OVER MULCH PLASTIC MULCH, USE HOODED OR SHIELDED BOOM TO APPLY IN ROW MIDDLES AFTER CROP ESTABLISHMENT IN BARE GROUND AND PLASTICULTURE SYSTEM.

E/CS Data Requirements:

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING VARIOUS USE PATTERNS IN VARIOUS GROWING ENVIRONMENTS (SEEDED AND TRANSPLANTED CUCUMBER IN BARE GROUND CULTURE, AND SEEDED AND TRANSPLANTED CUCUMBER IN PLASTIC MULCH CULTURE); TESTING REVITON 2.83 SC + MSO AT 0.022, 0.033, 0.044 AND 0.066 LB AI/A RATES, ALL IN 15-20 GPA, AT DIFFERENT TIMINGS AND PLACEMENTS; SEE PROTOCOL FOR MANY APPLIC REQUIREMENTS; EVALUATE CROP INJURY, WEED CONTROL AND CROP YIELD

IR-4 Residue Trial Plan: 2-2 3 5-2 6

Comments: Residue Protocol signed awaiting ECS Protocol: 05/23, JPB; E/CS protocol signed status and changed from "Complete w ongoing trials" to "E/CS ongoing, Residue ongoing" 02/24/drs;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FLP04 Dittmar, Dr. Peter

24-CAP03 Hanson, Brad



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12673	-NONE	A	PATEL	FLUDIOXONIL + PYDIFLUMETOFEN (SYNGEN)	CUCUMBER (GH)	SQUASH/CUCUMBER SUBGROUP (09B)

Reason for Need: FUSARIUM; VERY LIMITED NUMBER OF FUNGICIDES REGISTERED FOR FUSARIUM CONTROL ON GH CUCUMBERS; PER ME-TOO REQUEST FROM ME: NEED MORE DISEASE CONTROL TOOLS IN THE GH, AND THIS LOOKS LIKE A GOOD FIT

Use Pattern: (PCR): USE THE MIRAVIS PRIME PRODUCT; MAKE TWO DRENCH APPLIC OF 125 G AI/HA, 14-DAY INTERVAL, 0-DAY PHI

E/CS Data Requirements:

E/CS Research Comments: IN THE PERFORMANCE PROTOCOL FOR 2022: EVALUATING PRODUCT PERFORMANCE ON COMMERCIAL VARIETIES SUSCEPTIBLE TO FUSARIUM WILT; TESTING SOIL DRENCH APPLIC OF 15.4 FL OZ/A OF MIRAVIS PRIME (PYDIFLUMETOFEN + FLUDIOXONIL) VS A LABELED RATE OF A STANDARD (APPLY PER LABEL DIRECTIONS); MAKE 2 DRENCH APPLIC OF MIRAVIS PRIME, WITH 1ST APPLIC 2-4 WEEKS AFTER TRANSPLANTING, AND 2ND APPLIC 14 DAYS LATER; APPLY 236-590 ML OF DILUTED SOLUTION/1 SQ FT OF SURFACE AREA TREATED; EVALUATE FUSARIUM WILT DISEASE INCIDENCE AND SEVERITY, CROP SAFETY AND CROP YIELD; THE 2023 PERFORMANCE PROTOCOL FOLLOWS THE APPLIC AND EVALUATION REQUIREMENTS OF THE 2022 PROTOCOL

IR-4 Residue Trial Plan: ANY 4 TRIALS

Comments: CANADA IS NOTED AS A KEY EXPORT MARKET; NEED TO EXPLORE USE OF EXISTING RESIDUE STUDIES IN CANADA (ON FLUDIOXONIL) AND IR-4 (PYDIFLUMETOFEN, PR# 11156, ONLY 3 GH TRIALS DONE) TO COVER THE NEED IN THE U.S.; ALSO, SEE PR# 12008 (FLUDIOXONIL/GH CUCUMBER); USE PATTERN MUST BE CONSISTENT FOR BOTH COUNTRIES (DRENCH VS FOLIAR DATA, # OF APPLIC, INTERVAL AND PHI, ETC.):01/19; CANADA CONFIRMED THERE IS NO GH STUDY, SO STATUS CHANGED TO RESIDUE RESEARCHER:05/19; EPA GREEN (BOTH):09/19; MFG CONFIRMED E/CS DATA ARE ALSO NEEDED TO SUPPORT THIS GH USE:05/20; EPA GREEN (BOTH): 08/20, 08/21; ASR RECD FOR FLUDIOXONIL, AWAITING ASR FOR PYDIFLUMETOFEN: 11/23, JPB; Still awaiting performance data. 1/24 DRS

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-VAP02 Higgins, Doug



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13290	24-CANADA	A	KRISHNARAJ	GF-4031 (CORTEVA)	CUCUMBER (GH)	SQUASH/CUCUMBER SUBGROUP (09B)

Reason for Need: POWDERY MILDEW; ROTATIONAL PRODUCT FOR RESISTANCE MANAGEMENT, THIS PRODUCT IS A UNIQUE FRAC GROUP PER CORTEVA PRESENTATION (IR-4 2021)

Use Pattern: (PCR): GF-4031, 35 -50 G AI/HA, 0.03-0.04 LB AI/A; 20G/L EC; APPLIED FOLIARLY WITH 3 APPLICATIONS AND A 7 DAY RETREATMENT INTERVAL; 0-1 DAY PHI;

E/CS Data Requirements:

E/CS Research Comments: Corteva indicated that efficacy data from Canada is acceptable for the USA. Canada plans 4 efficacy trials so Corteva will not need any 2024 trials in the USA:3/24/sb;

IR-4 Residue Trial Plan: Any 4 trials (large & small); NAFTA ANY 4 (Possible 4 declines dependent on PHI)

Comments: Canadian Study# AAFC24-006R:01/24/sb; Category of "Researchable, Residue & E/CS data needed" has been updated to "Complete with On-Going Trials":03/24/sb; in Nov 2023, Corteva advised that efficacy data from Canada is acceptable for the USA. Canada plans 4 efficacy trials so Corteva will not need any 2024 trials in the USA:3/24/sb;

NER-EPA Region-FRD

24CMD077 Ross, Marylee
(large)

NCR-EPA Region-FRD

24CWI075 Chapman, Scott
(Large)

SOR-EPA Region-FRD

24CSC*078 Wade, Paul
(Large)

WSR-EPA Region-FRD

24CCA076 Ennes, D. (Kearney)
(small)

CANADA-EPA Region-FRD

24CBC074 Nield, David
(decline)(small)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13404	24-CANADA	A	ULRICH	ISOCYCLOSERAM (ISM-555) (SYNGEN)	CUCUMBER (GH)	SQUASH/CUCUMBER SUBGROUP (09B)

Reason for Need: TSSM ARE A CONSISTENT PROBLEM IN GREENHOUSE CUCUMBERS; ROTATION PRODUCTS ARE NEEDED

Use Pattern: (PCR): ISOCYCLOSERAM AT A RATE OF 296 G AI/HA AS A FOLIAR APPLIC, WITH 2-3 APPLIC. RE-TREATMENT INTERVAL 7-14 DAYS, 0-1 DAY PHI; FOLIAR APPLIC AT LABELED RATE; NO KNOWN LIMITATIONS:01/22; RATE APPEARS TO BE INCORRECT; FOLLOW DFU'S LISTED BELOW UNDER E/CS DATA REQUIREMENTS:03/22

E/CS Data Requirements: DFUS - 60 G AI/HA, 3 FOLIAR APPLIC, 7-DAY RTI, 3-DAY PHI:03/22

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 4 TRIALS

Comments: PMC PRIORITY; Changed to an A at NRPM and will be a joint project with PMC and they are the SD: Canada conducting Efficacy on thrips but are trying to evaluate TSSM also: JPB, 10/23; EPA Blue 12/23; Canadian Study# AAFC23-006R:01/24/sb

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24CFL238 Thomas, Darrell
(small)

24CBC40 Clodius, Markus
(large)

24CBC41 Clodius, Markus
(small)

24CON42 Henricks, Mary
(large)

24CON43 Riddle, Geoff
(small) (decline)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
12581	24-CAR03	A	BYRTUS	FLUMIOXAZIN + PYROXASULFONE (KICHEM,VALENT)	SQUASH (SUMMER)	SQUASH/CUCUMBER SUBGROUP (09B)

Reason for Need: BROADLEAF AND GRASS CONTROL WITH A SPECIAL EMPHASIS ON RAGWEED PARTHENIUM, A WEED FOR WHICH THERE IS NO CURRENTLY EFFECTIVE MANAGEMENT TOOL; RAGWEED PARTHENIUM IS INCREASINGLY PROBLEMATIC AND IS RESISTANT OR TOLERANT TO CURRENT REGISTERED HERBICIDES; PER NJ ME-TOO REQUEST, THERE IS OVERRELIANCE ON THE FEW CURRENTLY LABELED HERBICIDES FOR TOUGH-TO-CONTROL WEEDS SUCH AS COMMON RAGWEED, AND THIS PRODUCT WOULD PROVIDE GREATER FLEXIBILITY AND DIVERSIFY THE NUMBER OF SOA IN AN HERBICIDE RESISTANCE MANAGEMENT PERSPECTIVE; PER NC ME-TOO REQUEST: THERE ARE LIMITED ALTERNATIVES FOR WEED CONTROL IN ROW MIDDLES

Use Pattern: (PCR): REQUESTOR INDICATED THE PRODUCT AS COBRA (LACTOFEN), BUT THE AI IS SPECIFIED AS FLUMIOXAZIN + PYROXASULFONE, WHICH IS THE FIERCE PRODUCT; USE PATTERN GIVEN IS: MAKE 2 SOIL OR FOLIAR APPLIC, 14 DAYS APART; APPLY AS A PRE TO SOIL OR AS A POST ON PLANTS LESS THAN 5 INCHES TALL; DO NOT ALLOW TO COME IN CONTACT WITH THE CROP; NO RATE OR PHI SPECIFIED; REQUESTOR ASKED THAT THE USE PATTERN BE CLARIFIED TO READ LIKE THAT FOR TOMATO AND PEPPER (PR#S 12576 AND 12577): MAKE 2 PRE APPLIC TO THE SOIL IN ROW MIDDLES, USING A SHIELDED APPLICATOR, 14 DAYS APART:05/19

E/CS Data Requirements: MIMIC WHAT WAS DONE WITH FRUITING VEG TRIALS; NEED 4 TRIALS; TEST VINING CUCURBITS (SQUASH [12581] AT A FEW SITES) CUCUMBER (12580) AND MELON (12582) IN THE SAME PLOTS; NO CA TRIALS NEEDED AS THIS PRODUCT FIERCE IS NOT TO BE REGISTERED THERE:09/20

E/CS Research Comments: MFG SUGGESTS SETTING UP E/CS PROTOCOL LIKE THE TOMATO/PEPPER PROTOCOL - 3, 4.5 AND 6 OZ/A, APPLIED TWICE TO ROW MIDDLES (INTERVAL TBD), BEGINNING WHEN WEEDS ARE 2-4" TALL, NO CONTACT WITH CROP ALLOWED:07/20; PER THE 2021 PERFORMANCE PROTOCOL: TESTING 6, 9, 12 OZ/A OF FIERCE EZ PRODUCT VS A LABELED STANDARD; INCLUDE A NONIONIC SURFACTANT AT 0.25% V/V OR A CROP OIL CONCENTRATE AT 1 QT/A; APPLY IN >5 GPA POSTEMERGENCE TO ROW MIDDLES ONLY; MAKE 2 APPLIC 14 DAYS APART, WITH 1ST APPLIC WHEN WEEDS ARE 2-4 IN TALL AND 2ND APPLIC JUST BEFORE PLANTS VINE INTO THE ROW MIDDLES; EVALUATE FOR CROP INJURY, WEED CONTROL AND CROP YIELD

IR-4 Residue Trial Plan: 1 2-2 3 5 6 10 11

Comments: TOLERANCE IS ESTABLISHED FOR FLUMIOXAZIN ON CUCURBIT VEGETABLES CROP GROUP 9; CANADA AND MEXICO NOTED AS KEY EXPORT MARKETS:07/18; VALENT AND KUMIAI SUPPORT, BUT KUMIAI REQUIRES PERFORMANCE DATA BEFORE APPROVAL FOR RESIDUE WORK:08/18; ALTHOUGH PROJECT NOT SELECTED DURING WORKSHOP, RESEARCHERS AGREED TO PERFORM WORK AT \$0 COST SO IT WAS APPROVED TO ADD PERFORMANCE STUDY TO THE TENTATIVE SCHEDULE FOR 2021:01/21;STATUS CHANGED TO ECS DATA ONGOING:04/23, JPB; ONCE ECS DATA HAS BEEN REVIEWED AND APPROVED BY MFG TO MAKE RESEARCHABLE, ONLY RESIDUE DATA NEEDED THIS PR# WILL NEED TO GO TO THE FUW FOR RESIDUE PRIORITIZATION: 04/23 JPB;; YELLOW 08/23

NER-EPA Region-FRD

24-NJ199 Fisher, Jennifer
(region 1)

NCR-EPA Region-FRD

24-OH223 Robinson, Allison

SOR-EPA Region-FRD

24-FL97 Long, Michael
24-GA*118 Fraelich, Ben
24-NC174 Smith, Stephen C
24-SC*293 Wade, Paul
24-TX302 Cochran, Kim

WSR-EPA Region-FRD

24-CA*09 Benzen, Ms. Sharon D.
24-CA08 Leach, Nathan
24-WA*310 Larson, Duane

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13760	24-BAR02	A	MARCONI	AFIDOPYROPEN (BASF)	LEMON	LEMON/LIME SUBGROUP (10-10B)

Reason for Need: California Red Scale since BASF has data on hand for it. They are currently working on Sweet Orange group [10-10A];Allows for rate flexibility at higher water volumes and increases efficacy on difficult pests:08/23; FL/Hibiscus (lebbeck) mealbug:09/23/sb

Use Pattern: (PCR): Use Sefina Insecticide as a foliar spray at 14-28 fl oz/A, 1-2 times

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 3 10-4 (decline)

Comments: One request submitted for Lemon & Grapefruit; Grapefruit is under PR#13761:08/23; Mfg Supports as "Researchabe, Only Residue Data Needed" & BASF is conducting orange residue trials starting in 2024 (covers subgroup 10-10A) and requires IR-4 to use the same GAP. Residue data for all citrus subgroups (10A, 10B, 10C) will be needed to amend tolerance for full citrus crop group 10-10. BASF offers to conduct the analytical phase of the lemon residue program:08/23; A pcr for "Citrus", was rec'd and is being reviewed "Orange" only/PR# 13780, since IR-4 already has established this project for Lemon & 13761 for Grapefruit. Based on the new request, IR-4 has has also asked BASF to consider the "Hibiscus (lebbeck) mealybug" under Lemon too:09/23/sb; upgraded to A at the nrpm:10/23/sb; EPA Green, 12/23;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FL289 Sutherland, Dudley

24-CA79 Ennes, D. (Kearney)
24-CA81 Skiles, Keri
24-CA80 Leach, Nathan
(decline)
24-CA82 Leach, Nathan
(decline)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13761	24-BAR03	A	MARCONI	AFIDOPYROPEN (BASF)	GRAPEFRUIT	GRAPEFRUIT SUBGROUP (10-10C)

Reason for Need: California Red Scale since BASF has data on hand for it. They are currently working on Sweet Orange group [10-10A]; Allows for rate flexibility at higher water volumes and increases efficacy on difficult pests:08/23; FL/Hibiscus (lebbeck) Mealybug:09/23

Use Pattern: (PCR): Use Sefina Insecticide as a foliar spray at 14-28 fl oz/A, 1-2 times

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 3-5 6 10-2 (DECLINE)

Comments: One request submitted for Lemon & Grapefruit; Lemon is under PR#13760:08/23; MFG supports as "Researchable, only Residue data needed":08/23/sb; BASF is conducting orange residue trials starting in 2024 (covers subgroup 10-10A) and requires IR-4 to use the same GAP. Residue data for all citrus subgroups (orange 10A, lemon 10B, grapefruit 10C) will be needed to amend tolerance for full citrus crop group 10-10. BASF offers to conduct the analytical phase of the grapefruit residue program:08/23/sb; A pcr for "Citrus", was rec'd and is being reviewed "Orange" only/PR# 13780, since IR-4 already has established this project for Grapefruit & 13760 for Lemon:09/23/sb; EPA Green 12/23;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FL113	Thomas, Darrell
24-FL114	Long, Michael
(decline)	
24-FL290	Thomas, Darrell
(Reg 3)	
24-TX309	Cochran, Kim

24-CA84	Ennes, D. (Kearney)
24-CA83	Leach, Nathan
24-CA85	Leach, Nathan
(decline)	



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13334	-NONE	+	BATTS	1-AMINOCYCLOPROPANE-1-CARBOXYLIC ACID (ACC) (VALBIO)	CHERRY	CHERRY SUBGROUP (12-12A)

Reason for Need: FLOWER FRUIT THINNING, REDUCE LABOR COSTS FOR THINNING FLOWER AND FRUIT USING A NATURAL PRODUCT

Use Pattern: (PCR): ACCEDE; UNKNOWN DOSAGE RATE; AIR-BLAST 100 TO 150 GALLONS/A, 1 APPLICATION, PHI OF 30 DAYS; FOLLOW PEACH/NECTARINE LABEL

E/CS Data Requirements:

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING FOLIAR DIRECTED APPLIC OF 3 RATES OF ACCEDE 40SG (+ NONIONIC SURFACTANT [NIS] AT 0.05% V/V), 150, 300, 450 PPM, APPLIED IN 100 GPA, TARGETING A SINGLE APPLIC AT 50-75% OPEN BLOOM; AN OPTIONAL TRT IS 300 PPM APPLIED TWICE, 7-10 DAY INTERVAL, BEGINNING WHEN A MAJORITY OF BLOOMS ARE IN THE POPCORN/BALLOON STAGE, JUST PRIOR TO FULL BLOOM; TRIALS ARE TO BE CONTINUED INTO A SECOND YEAR, WITH TRTS APPLIED TO THE SAME PLOTS IN BOTH YEARS; EVALUATE CROP SAFETY, FRUIT THINNING AND CROP YIELD

IR-4 Residue Trial Plan:

Comments: Performance protocol signed, changed status from "Need E/CS data only" to "E/CS ongoing" 02/24/drs;

NER-EPA Region-FRD

NCR-EPA Region-FRD

24-MIP06 Rothwell, Nikki

SOR-EPA Region-FRD

WSR-EPA Region-FRD

24-CAP11 Adaskaveg, Dr. James
24-CAP22 Adaskaveg, Dr. James

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13281	24-CAR10	A	DINEEN	FLUOPICOLIDE (VALENT)	CHERRY	CHERRY SUBGROUP (12-12A)

Reason for Need: PHYTOPHTHORA SPECIES CAUSING ROOT AND CROWN ROT, FUMIGATION OF SOIL HAS BEEN HIGHLY REGULATED IN CA WITH NUMEROUS RESTRICTIONS. A NEED FOR NEW MODES OF ACTION AS POST-PLANT TREATMENTS BECAUSE PATHOGEN RESISTANCE IS KNOWN FOR MEFENOXAM ON CHERRY AND FOR PHOSPHITES ON OTHER CROPS.

Use Pattern: (PCR): PRESIDIO AT 0.125 LB/A 2 SOIL APPLICATIONS PER YEAR IN THE SPRING AND FALL WITH ROOT FLUSH; CHEMIGATION AT THE END OF THE WATERING CYCLE TO ALLOW FUNGICIDE TO GET INTO THE ROOT ZONE. ALTERNATIVELY, AFTER PRE-WETTING THE SOIL, BAND APPLICATION FOLLOWED BY WATERING. PHI OF 30 DAYS;

E/CS Data Requirements:

E/CS Research Comments: At 2023 FUW, CA noted they have E/CS data:09/23/sb; Valent indicated the 3 studies will satisfy their requirements for efficacy data in CA, so no more studies are needed:02/24/sb

IR-4 Residue Trial Plan: SOUR: 1 5-4 9; SWEET: 5-2 10-2 11-2 (1 decline/sour & 1 decline/sweet)

Comments: SOIL APPLIC EARLY IN THE SEASON ARE ADVISABLE TO MINIMIZE RESIDUE PRESENCE:08/21; EPA GREEN 08/22; YELLOW 08/23; Per AA, mfg updated status at 2023 FUW from Potential, e/cs before residue to, Researchable, Residue & E/CS Data Needed:09/23/sb; Changed to Complete with On-Going Trials until performance protocol is signed. 1/24DS; Valent indicated E/CS requirements for data in CA has been met:02/24/sb

NER-EPA Region-FRD

24-NY219 Handley, Keagan
(tart)(region 1)

NCR-EPA Region-FRD

24-MI167 Wheeler, Celeste
(tart)(decline)
24-MI168 Wheeler, Celeste
(sweet)
24-MI169 Wheeler, Celeste
(sweet)
24-MI165 Soldan, Nicole
(tart)
24-MI166 Wheeler, Celeste
(tart)
24-WI351 Heider, Daniel J.
(tart)

SOR-EPA Region-FRD

WSR-EPA Region-FRD

24-CA33 Skiles, Keri
(sweet)
24-CA34 Watkins, S.
(sweet)
24-CO89 Oman, Clark (CAT)
(tart)
24-ID141 Meeks, Mr. Will
(sweet)
24-WA*320 Larson, Duane
(sweet)(decline)
24-WA319 Peng, Wilson
(sweet)

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13323	-	+	BATTS	FLAZASULFURON (ISK)	PEACH	PEACH SUBGROUP (12-12B)

Reason for Need: ANNUAL BROADLEAF WEEDS, YELLOW NUTSEDGE, ANNUAL GRASSES; LACK OF ALTERNATIVES

Use Pattern: (PCR): MISSION, 1.5 OZ/A; FOLIAR AND SOIL, 1-2 APPLIC AND A RETREATMENT INTERVAL OF AT LEAST 30 DAYS; 75-DAY PHI; APPLY A SPLIT APPLICATION ONCE IN THE FALL OR WINTER AND AGAIN IN THE SPRING

E/CS Data Requirements:

E/CS Research Comments: IN THE 2023 PERFORMANCE PROTOCOL (ALSO COVERS P13324 [PLUM] AND P13325 [CHERRY]): TESTING 4 RATES OF MISSION (0.0125, 0.023, 0.045, 0.089 LB AI/A IN 15-50 GPA), COMPARED WITH A WEED FREE UNTREATED; TRIALS WILL BE CONDUCTED ON TREES THAT ARE AT LEAST 2 YEARS OLD, AND THE SAME TRMTS WILL BE APPLIED TO THE SAME PLOTS 2 YEARS IN A ROW; FOLLOW THE MISSION LABEL FOR PROTECTION OF TREES, RECOMMENDED ADJUVANTS AND RATES, AND REQUIRED TEST SITE SOIL CHARACTERISTICS; MAKE 2 APPLIC OF EACH TREATMENT, ABOUT 60 DAYS APART, AND ABOUT 75 DAYS BEFORE FIRST EXPECTED COMMERCIAL HARVEST; APPLY IN 2 SWATHS, ONE ON EACH SIDE OF TREE ROW, TO GIVE A BROADCAST SPRAY PATTERN COVERING A SWATH OF AT LEAST 6 FT; EVALUATE WEED CONTROL, CROP INJURY AND CROP YIELD

IR-4 Residue Trial Plan:

Comments: REGISTRANT CHANGED USE RATE AND APPLIC TO "AT DORMANCY" AFTER INJURY SEEN IN SOME 2020 TRIALS:08/21; TREES MUST BE 2 YEARS OR OLDER:04/22; ECS PROTOCOL SIGNED 03/23, RESIDUE MOVES FORWARD BASED ON E/CS DATA; WAS E/CS BEFORE RESIDUE FOR CATEGORY PRIOR TO SIGNING E/CS PROTOCOL:03/23 JPB; EPA GREEN:08/23

NER-EPA Region-FRD

NCR-EPA Region-FRD

24-MIP01 Soldan, Nicole

SOR-EPA Region-FRD

24-NCP02 Mitchem, Wayne
24-NCP03 Smith, Stephen C

WSR-EPA Region-FRD

24-CAP01 Hanson, Brad
24-WAP01 Liu, Rui
24-CAP23 Hanson, Brad

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13633	24-CAR12	A	PIKE	OXATHIPIPROLIN (SYNGEN)	PEACH	PEACH SUBGROUP (12-12B)

Reason for Need: PHYTOPHTHORA SP; PHYTOPHTHORA ROOT ROT, CROWN, AND TRUNK DISEASES; ALTERNATIVES TO PHOSPHITE ARE NEEDED BECAUSE OF OVER USAGE AND THE DETECTION OF PHOSPHITE RESISTANCE IN SOME SPECIES; AN INTEGRATED PROGRAM WITH DIFFERENT MODES OF ACTION NEEDS TO BE DEVELOPED:05/23

Use Pattern: (PCR): soil/drench/drip; Rate: 4.8-9.6 fl. oz/A (0.06-0.12 lb ai/A); 2 sprays; 30 days RTI and 0 day PH. For Resets/New Plantings, make the first soil application at planting and up to one additional application 1-6 months later, coinciding with a root growth flush. Established plants: two soil applications at 1-month to 6-month interval, coinciding with root growth flush;

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 1 2-3 5 6 10-3 (decline)

Comments: EPA GREEN: 08/23

NER-EPA Region-FRD

24-NJ204 Fisher, Jennifer

NCR-EPA Region-FRD

24-MI171 Wheeler, Celeste

SOR-EPA Region-FRD

24-GA*123 Fraelich, Ben
24-GA*124 Fraelich, Ben
24-NC183 Smith, Stephen C
24-NC184 Smith, Stephen C
(Differentiate by 30 days)(decline)
24-TX305 Cochran, Kim

WSR-EPA Region-FRD

24-CA49 Watkins, S.
24-CA50 Ennes, D. (Kearney)
(Differentiate by 30 days)
24-CA51 Skiles, Keri

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13633	-	A	PATEL	OXATHIPIPROLIN (SYNGEN)	PEACH	PEACH SUBGROUP (12-12B)
<p><u>Reason for Need:</u> PHYTOPHTHORA SP; PHYTOPHTHORA ROOT ROT, CROWN, AND TRUNK DISEASES; ALTERNATIVES TO PHOSPHITE ARE NEEDED BECAUSE OF OVER USAGE AND THE DETECTION OF PHOSPHITE RESISTANCE IN SOME SPECIES; AN INTEGRATED PROGRAM WITH DIFFERENT MODES OF ACTION NEEDS TO BE DEVELOPED:05/23</p> <p><u>Use Pattern: (PCR):</u> soil/drench/drip; Rate: 4.8-9.6 fl. oz/A (0.06-0.12 lb ai/A); 2 sprays; 30 days RTI and 0 day PH. For Resets/New Plantings, make the first soil application at planting and up to one additional application 1-6 months later, coinciding with a root growth flush. Established plants: two soil applications at 1-month to 6-month interval, coinciding with root growth flush;</p> <p><u>E/CS Data Requirements:</u></p> <p><u>E/CS Research Comments:</u></p> <p><u>IR-4 Residue Trial Plan:</u> 1 2-3 5 6 10-3 (decline)</p> <p><u>Comments:</u> EPA GREEN: 08/23</p>						
<u>NER-EPA Region-FRD</u>		<u>NCR-EPA Region-FRD</u>		<u>SOR-EPA Region-FRD</u>	<u>WSR-EPA Region-FRD</u>	<u>CANADA-EPA Region-FRD</u>
				24-FLP14 Stauderman, Karen	24-CAP17 Adaskaveg, Dr. James	



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13668	24-CAR14	A	MARCONI	NAA (AMVAC)	PLUM	PLUM SUBGROUP (12-12C)

Reason for Need: Rootstock suckers, basal trunk sprouts. NEED FOR SYSTEMIC LONG LASTING PRODUCT TO SUPPRESS SUCKER GROWTH AND REDUCE NUMBER OF CONTACT HERBICIDE SPRAYS AND HAND LABOR:07/23

Use Pattern: (PCR): USE THE TRE-HOLD SPROUT INHIBITOR A-112 PRODUCT; MAKE 2 SOIL DIRECTED BASAL APPLIC OF A 1% AI SOLUTION, V/V, 28-DAY INTERVAL; APPLY AS A DIRECTED SPRAY TO THE LOWER TREE TRUNKS AND IMMEDIATE SURROUNDING AREA; MAKE 1ST APPPLIC WHEN SUCKERS ARE LESS THAN 12 INCH; APPLY IN A DILUTE VOLUME OF UP TO 44 GPA, USING A NOZZLE THAT GENERATES COARSE DROPLETS, &DIRECT THE SPRAY TO THE BASE OF THE TREES; IF NEEDED RE-APPLY IN 60 DAY. Based on guidance on NAA from EPA, MFG suggests the use pattern include the following: Apply product as a directed spray to the lower tree trunks and up to 12 inches (1 foot) around the base of the tree, &phyto observations need to be collected in the residue trials:9/23;

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 5 10-5 11 12 (decline & processing)

Comments: This request was rec'd in Dec 2022 but determined to be an SSR. Since then, it was decided to consider as a New request, and the PCR rec'd date was adjusted. X-ref with PR# 03523 that had 1 residue study in 1991 and the project subsequently cancelled. Also, 3, non-IR-4 funded, e/cs field trials are currently be done in CA:07/23; MFG supports as "Researchable, Residue & E/CS Data Needed":08/23; AMVAC is comfortable with E/CS data and now supports as "Researchable, Only Residue Data Needed" Phyto observations will need to be collected in the residue trials:09/23/sb; EPA Green 12/23;

NER-EPA Region-FRD

NCR-EPA Region-FRD

24-MI172 Wheeler, Celeste

SOR-EPA Region-FRD

WSR-EPA Region-FRD

24-CA57 Ennes, D. (Kearney)
24-CA58 Skiles, Keri
(decline)
24-CA60 Watkins, S.
24-CA56 Skiles, Keri
24-CA59 Watkins, S.
(processing)
24-ID144 Meeks, Mr. Will
24-OR261 Lightle, Dani

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13632	24-CAR11	A	PIKE	OXATHIPIPROLIN (SYNGEN)	PLUM	PLUM SUBGROUP (12-12C)

Reason for Need: PHYTOPHTHORA SP; PHYTOPHTHORA ROOT ROT, CROWN, AND TRUNK DISEASES; ALTERNATIVES TO PHOSPHITE ARE NEEDED BECAUSE OF OVER USAGE AND THE DETECTION OF PHOSPHITE RESISTANCE IN SOME SPECIES; AN INTEGRATED PROGRAM WITH DIFFERENT MODES OF ACTION NEEDS TO BE DEVELOPED:05/23

Use Pattern: (PCR): soil/drench/drip; Rate: 4.8-9.6 fl. oz/A (0.06-0.12 lb ai/A); 2 sprays; 30 days RTI and 0 day PHI. For Resets/New Plantings, make the first soil application at planting and up to one additional application 1-6 months later, coinciding with a root growth flush. Established plants: two soil applications at 1-month to 6-month interval, coinciding with root growth flush.

E/CS Data Requirements:

E/CS Research Comments: IN THE 2024 PERFORMANCE PROTOCOL: TESTING THE ORONDIS PRODUCT VS A COMMERCIAL STANDARD FOR ROOT ROT CONTROL; MAKE 2 SOIL DIRECTED SPRAYS AROUND TREE DRIP LINE (IN 10-30 GPA) OR THROUGH DRIP IRRIGATION (FOLLOWED BY ABOUT 0.25-0.5 ACRE INCHES OF WATER TO THE ENTIRE DRIP LINE AREA) AT A 30-DAY INTERVAL; EVALUATE EFFICACY, CROP INJURY AND FRUIT YIELD

IR-4 Residue Trial Plan: 5 10-4 12 (decline & processing)

Comments: EPA GREEN: 08/23; E/CS ongoing, status will be changed to "Residue ongoing, E/CS ongoing" once residue protocol is signed 02/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

24-MI170 Wheeler, Celeste

SOR-EPA Region-FRD

WSR-EPA Region-FRD

24-CA46 Ennes, D. (Kearney)
24-CA44 Ennes, D. (Kearney)
24-CA45 Skiles, Keri
(decline)
24-CA48 Watkins, S.
(processing)
24-CA47 Watkins, S.
24-OR259 Lightle, Dani

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13632	-	A	PATEL	OXATHIPIPROLIN (SYNGEN)	PLUM	PLUM SUBGROUP (12-12C)

Reason for Need: PHYTOPHTHORA SP; PHYTOPHTHORA ROOT ROT, CROWN, AND TRUNK DISEASES; ALTERNATIVES TO PHOSPHITE ARE NEEDED BECAUSE OF OVER USAGE AND THE DETECTION OF PHOSPHITE RESISTANCE IN SOME SPECIES; AN INTEGRATED PROGRAM WITH DIFFERENT MODES OF ACTION NEEDS TO BE DEVELOPED:05/23

Use Pattern: (PCR): soil/drench/drip; Rate: 4.8-9.6 fl. oz/A (0.06-0.12 lb ai/A); 2 sprays; 30 days RTI and 0 day PHI. For Resets/New Plantings, make the first soil application at planting and up to one additional application 1-6 months later, coinciding with a root growth flush. Established plants: two soil applications at 1-month to 6-month interval, coinciding with root growth flush.

E/CS Data Requirements:

E/CS Research Comments: IN THE 2024 PERFORMANCE PROTOCOL: TESTING THE ORONDIS PRODUCT VS A COMMERCIAL STANDARD FOR ROOT ROT CONTROL; MAKE 2 SOIL DIRECTED SPRAYS AROUND TREE DRIP LINE (IN 10-30 GPA) OR THROUGH DRIP IRRIGATION (FOLLOWED BY ABOUT 0.25-0.5 ACRE INCHES OF WATER TO THE ENTIRE DRIP LINE AREA) AT A 30-DAY INTERVAL; EVALUATE EFFICACY, CROP INJURY AND FRUIT YIELD

IR-4 Residue Trial Plan: 5 10-4 12 (decline & processing)

Comments: EPA GREEN: 08/23; E/CS ongoing, status will be changed to "Residue ongoing, E/CS ongoing" once residue protocol is signed 02/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-CAP16 Adaskaveg, Dr. James



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P11808	-NONE	A	AXTELL	CYFLUMETOFEN (BASF)	CANEBERRY	CANEBERRY SUBGROUP (13-07A)
<p>Reason for Need: SOUTHERN RED MITE (OLIGONYCHUS ILICIA), TWOSPOTTED SPIDER MITE (TETRANYCHUS URTICAE); PER NY ME-TOO REQUEST, EXISTING OPTIONS INCLUDE ACEQUINOCYL (2 APPLIC ALLOWED AT 21-DAY INTERVAL), BIFENAZATE (2 APPLIC), ETOXAZOLE (1 APPLIC), HEXYTHIAZOX (1 APPLIC), SOME PYRETHROIDS, HORT. OIL; PER CA ME-TOO REQUEST 08/20: NEEDED FOR SPIDER MITES (LEWIS AND TWO SPOT) IN CANEBERRY HOOPS</p> <p>Use Pattern: (PCR): USE THE NEALTA PRODUCT; MAKE 2 FOLIAR APPLIC OF 13.7 FLUID OZ/A, 10-14 DAY INTERVAL, 1-DAY PHI</p> <p>E/CS Data Requirements: MFG REQUESTS E/CS TESTING TO MEET CERTAIN STANDARDS (I.E., EXAGGERATED RATES TO EVALUATE CROP SAFETY, CONSECUTIVE YEARS TESTING, VARIETY SCREENINGS, ETC.) TO SUPPORT COMMERCIALIZATION OF THE USE; DEVELOP SUFFICIENT DATA TO SUPPORT REGISTRATION IN CA:09/15; ;MFG REQUIRES 4 EFFICACY TRIALS (SUGGESTS WA/OR, CA, MI & SOUTHEAST) AND 6 CROP SAFETY TRIALS (SUGGESTS 2 IN WA/OR, AND THE REST IN CA, MI & SOUTHEAST):07/16; MFG WANTS TO SEE 4X CROP SAFETY TRIAL DATA:05/19</p> <p>E/CS Research Comments: IN THE 2023 PERFORMANCE PROTOCOL: IN FIELD OR HOOP HOUSE CONDITIONS, TESTING TWO RATES OF CYFLUMETOFEN (13.7 [+ ADJUVANT] AND 27.4 FL OZ PRODUCT/A OF NEALTA MITICIDE) COMPARED WITH A FENPYROXIMATE STANDARD; MAKE 2 APPLIC, IN 50-100 GPA, 14-DAY INTERVAL, STARTING AT FIRST APPEARANCE OF MITES; WITH THE LOW RATE OF NEALTA AND THE STANDARD, USE A NON-IONIC ADJUVANT CONTAINING AT LEAST 75% SURFACTANT; DO NOT USE A DORMANT OIL OR A BINDER OR STICKER-TYPE ADJUVANT; EVALUATE MITE CONTROL AND CROP INJURY; at NRPM, it was noted 23-ARP03 was unable to be conducted in '23 so will be done in '24 (same ft id#, no add'l \$):10/23/sb,</p> <p>IR-4 Residue Trial Plan: 1/2 5/6 12-3; 1 DECLINE</p> <p>Comments: MFG TO REASSESS E/CS DATA NEEDS AND CONFIRM HOW IR-4 CAN PROCEED:05/16; MFG MADE RESEARCHABLE AGAIN, WITH SPECIFIC REQUIREMENTS FOR PERFORMANCE RESEARCH (SEE E/CS DATA REQUIREMENTS), WHICH MFG WILL PARTIALLY FUND:07/16; EPA GREEN:09/18; MFG CHANGED STATUS TO POTENTIAL, DUE TO CROP SAFETY CONCERNS (WANT TO SEE 4X CROP SAFETY TRIAL DATA BEFORE MAKING THIS REQUEST RESEARCHABLE FOR RESIDUE WORK):05/19; EPA GREEN:09/19</p>						
<p>NER-EPA Region-FRD NCR-EPA Region-FRD SOR-EPA Region-FRD WSR-EPA Region-FRD CANADA-EPA Region-FRD</p> <p>24-CAP07 Bolda, Mr. Mark</p>						



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13502	23-LSRC039	A	POGODA	NOVALURON (ADAMA,UPL NA)	CANEBERRY	CANEBERRY SUBGROUP (13-07A)

Reason for Need: SPOTTED WING DROSOPHILA (SWD); ROTATIONAL MATERIAL; THIS MOA NOT CURRENTLY REGISTERED FOR SWD MANAGEMENT IN CANEBERRY

Use Pattern: (PCR): RIMON OR CORMORAN; DOSAGE: 0.13 LB AI/A, 4 FOLIAR APPLIC, 7-DAY INTERVALS, 1-DAY PHI

E/CS Data Requirements:

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING SWD CONTROL WITH NOVALURON + ACETAMIPRID (CORMORAN PRODUCT) VS A ROTATION OF SPINETORAM AND ZETA CYPERMETHRIN; MAKE 4 FOLIAR APPLIC OF 20 FL OZ OF THE CORMORAN PRODUCT/A, 7-DAY INTERVAL, 1-DAY PHI; IN AT LEAST 40 GPA; EVALUATE EFFICACY AND PHYTOTOXICITY PER DETAILED INSTRUCTIONS IN THE PROTOCOL

IR-4 Residue Trial Plan: 1/2 5/6 12-3; 1 DECLINE; 1 Red A trial Region 5

Comments: NEW PR# CREATED AS USE PATTERN & PEST ARE DIFFERENT THAN PR# 13260:08/22; PR# 13260 WILL BE COVERED BY THIS PR# IN THE RESIDUE PROTOCOL:02/23; PCR REPLY OF 8/22 INDICATES ADAMA SUPPORTS AS RESEARCHABLE, RES & E/CS DATA NEEDED:02/24/sb; CANADA IS THE STUDY DIRECTOR AND THEY ARE USING A DUAL AI PRODUCT, NOVALURON + ACETAMIPRID; THERE IS ALREADY A TOLERANCE ESTABLISHED FOR ACETAMIPRID IN THE US:02/23; "complete with ongoing trials" updated to "residue ongoing, E/CS ongoing" 02/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24COH136 Robinson, Allison
(raspberry)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13502	-NONE	A	AXTELL	NOVALURON (ADAMA,UPL NA)	CANEBERRY	CANEBERRY SUBGROUP (13-07A)

Reason for Need: SPOTTED WING DROSOPHILA (SWD); ROTATIONAL MATERIAL; THIS MOA NOT CURRENTLY REGISTERED FOR SWD MANAGEMENT IN CANEBERRY

Use Pattern: (PCR): RIMON OR CORMORAN; DOSAGE: 0.13 LB AI/A, 4 FOLIAR APPLIC, 7-DAY INTERVALS, 1-DAY PHI

E/CS Data Requirements:

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING SWD CONTROL WITH NOVALURON + ACETAMIPRID (CORMORAN PRODUCT) VS A ROTATION OF SPINETORAM AND ZETA CYPERMETHRIN; MAKE 4 FOLIAR APPLIC OF 20 FL OZ OF THE CORMORAN PRODUCT/A, 7-DAY INTERVAL, 1-DAY PHI; IN AT LEAST 40 GPA; EVALUATE EFFICACY AND PHYTOTOXICITY PER DETAILED INSTRUCTIONS IN THE PROTOCOL

IR-4 Residue Trial Plan: 1/2 5/6 12-3; 1 DECLINE; 1 Red A trial Region 5

Comments: NEW PR# CREATED AS USE PATTERN & PEST ARE DIFFERENT THAN PR# 13260:08/22; PR# 13260 WILL BE COVERED BY THIS PR# IN THE RESIDUE PROTOCOL:02/23; PCR REPLY OF 8/22 INDICATES ADAMA SUPPORTS AS RESEARCHABLE, RES & E/CS DATA NEEDED:02/24/sb; CANADA IS THE STUDY DIRECTOR AND THEY ARE USING A DUAL AI PRODUCT, NOVALURON + ACETAMIPRID; THERE IS ALREADY A TOLERANCE ESTABLISHED FOR ACETAMIPRID IN THE US:02/23; "complete with ongoing trials" updated to "residue ongoing, E/CS ongoing" 02/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-GAP02 Sial, Dr Ashfaq A

24-ORP16 Lightle, Dani



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P11128	-NONE	+	BATTS	TERBACIL (TKI)	CANEBERRY	CANEBERRY SUBGROUP (13-07A)

Reason for Need: ANNUAL AND PERENNIAL WEEDS; PER AR ME-TOO REQUEST: THERE IS A GREAT NEED FOR HERBICIDES THAT ARE SAFE ON NEWLY TRANSPLANTED CANEBERRIES

Use Pattern: (PCR): 0.25-1.5 LB AI/A; 1-3 APPLIC TO THE SOIL IMMEDIATELY AFTER TRANSPLANTING

E/CS Data Requirements:

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING 4 RATES OF SINBAR 80WDG + ADJUVANT, (0.2, 0.4, 0.6 AND 1.2 LB AI/A), APPLIED AS DIRECTED SPRAYS TO EITHER SIDE AND ACROSS ROWS, IN AT LEAST 20 GPA; THE SAME TREATMENTS ARE TO BE APPLIED TO THE SAME PLOTS IN EACH OF 2 YEARS; ALL TRIALS ARE TO BE INITIATED IMMEDIATELY AFTER ESTABLISHMENT OF CANES; A SANDY LOAM SOIL IS DESIRED FOR AT LEAST ONE TRIAL; MAKE 2 APPLIC OF EACH TREATMENT EACH YEAR, 60 DAYS APART, WITH THE 1ST APPLIC AFTER AND WITHIN 7 DAYS OF CANE PLANTING; IN THE 2ND YEAR MAKE 1ST APPLIC AS A DORMANT APPLIC, ABOUT 2 WEEKS BEFORE EXPECTED PRIMOCANE EMERGENCE (SEE PROTOCOL FOR MORE APPLIC REQUIREMENTS); EVALUATE CROP INJURY AFTER EACH APPLIC EACH YEAR; CROP YIELD DATA ARE ONLY REQUIRED IN YEAR 2; NO WEED CONTROL DATA ARE REQUIRED

IR-4 Residue Trial Plan: 1/2 5/6 10 12-3

Comments: REQUEST IS TO REDUCE THE CURRENT LABELED USE RATE OF TERBACIL - RATES ARE TOO HIGH FOR NEW PLANTINGS; SINBAR 80WDG IS LABELED ON 1-YR-OLD OR OLDER CANEBERRIES AT 1-2 LB PRODUCT (0.8-1.6 LB AI)/A:08/13; MFG TO EXPLORE MAKING LABEL CHANGE AS NEEDED TO MEET THIS USE PATTERN, WHICH IS COVERED BY THE EXISTING TOLERANCE:07/14; IS NOT A MFG OBJECTIVE, AND MFG CHANGED STATUS TO POTENTIAL:07/20; PERFORMANCE PROTOCOL WAS SIGNED 1/3/24, SO THE CATEGORY HAS NOW BEEN CHANGED FROM POTENTIAL, E/CS DATA BEFORE APPROVAL FOR RESIDUE STUDY TO E/CS DATA ONGOING:02/24/sb

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-OHP01 Robinson, Allison
24-OHP02 Robinson, Allison

24-ARP01 Burgos, N.
24-NCP01 Mitchem, Wayne

24-ORP02 Moretti, Marcelo



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>																
P13709	-NONE	+	BATTS	FLUROXYPYR (CORTEVA,LOVLND)	BLUEBERRY	BUSHBERRY SUBGROUP (13-07B)																
<p><u>Reason for Need:</u> Dogbane, horsetail, bindweed, buckwheat, common mallow, Difficult to control weeds in highbush blueberries fit nicely.:08/23; NJ/ Excellent crop tolerance based on trial conducted in NJ in 2021 and 2022. Alternative to reluctantly used 2,4-D and glyphosate:08/23</p> <p><u>Use Pattern: (PCR):</u> Use Starane Ultra product. Make one banded application along blueberry rows at 0.4 to 1.4 pt/a per year to control troublesome broadleaf and vine weeds. Do not apply to blueberries less than 4 years old. Do not apply during bloom. Do not apply within 14 days of harvest.</p> <p><u>E/CS Data Requirements:</u> Mfg requires 'only CS data are needed from major blueberry growing states such as Michigan</p> <p><u>E/CS Research Comments:</u> PER THE 2024 PERFORMANCE PROTOCOL: TESTING THE STARANE ULTRA PRODUCT AT 3 RATES (0.14, 0.245, 0.49 LB AI/A), AT MULTIPLE TIMINGS, AND WITH DIFFERENT PLACEMENT OF SPRAYS, ALL IN AT LEAST 8 GPA; SEE PROTOCOL FOR DETAILED APPLIC REQUIREMENTS; COMPARE VS A WEED-FREE UNTREATED; EACH TRIAL WILL LAST 2 YEARS, WITH THE TRTS APPLIED TO THE SAME PLOTS EACH YEAR; TRIALS SHOULD BE PLACED ON PLANTS THAT HAVE BEEN ESTABLISHED AT LEAST 4 YEARS; AND AT LEAST 1 TRIAL NEEDS TO BE PLACED ON Highbush BLUEBERRY GROWN ON A COARSE TEXTURE SOIL; EVALUATE CROP INJURY AND YIELD; NO APPLIC WILL BE MADE IN YEAR 3, BUT CROP RESPONSE DATA WILL BE COLLECTED</p> <p><u>IR-4 Residue Trial Plan:</u> 1 2-3 5-3 12</p> <p><u>Comments:</u> This new request is for spot spray or banded spray. Although PR# 08324 covers the spot spray, it has a Mfg Will Not Support status from 2002. This new request for both use patterns will be forwarded to the mfg for a current review:08/23; Mfg supports as "Potential, E/CS data before approval for Residue:08/23; E/CS ongoing, status will be changed to "Residue ongoing, E/CS ongoing" once residue protocol is signed 02/24/DRS;</p>																						
<table><tr><th colspan="2"><u>NER-EPA Region-FRD</u></th><th colspan="2"><u>NCR-EPA Region-FRD</u></th><th colspan="2"><u>SOR-EPA Region-FRD</u></th><th><u>WSR-EPA Region-FRD</u></th><th><u>CANADA-EPA Region-FRD</u></th></tr><tr><td>24-NJP01</td><td>Besancon, Thierry</td><td>24-INP02</td><td>Meyers, Stephen L (NCR)</td><td></td><td></td><td>24-ORP06</td><td>Moretti, Marcelo</td></tr></table>							<u>NER-EPA Region-FRD</u>		<u>NCR-EPA Region-FRD</u>		<u>SOR-EPA Region-FRD</u>		<u>WSR-EPA Region-FRD</u>	<u>CANADA-EPA Region-FRD</u>	24-NJP01	Besancon, Thierry	24-INP02	Meyers, Stephen L (NCR)			24-ORP06	Moretti, Marcelo
<u>NER-EPA Region-FRD</u>		<u>NCR-EPA Region-FRD</u>		<u>SOR-EPA Region-FRD</u>		<u>WSR-EPA Region-FRD</u>	<u>CANADA-EPA Region-FRD</u>															
24-NJP01	Besancon, Thierry	24-INP02	Meyers, Stephen L (NCR)			24-ORP06	Moretti, Marcelo															



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13706	24-CAR16	A	MARCONI	FLUTRIAFOL (FMC)	BLUEBERRY	BUSHBERRY SUBGROUP (13-07B)

Reason for Need: Mummy berry, stem blight pathogens, anthracnose, More acreage is being drip irrigated:08/23; CA/even though I am based in CA, we also need this for OR and WA and FL where we grow blueberries and have stem blight, anthracnose and mummy berry issues:08/23

Use Pattern: (PCR): 5-7 fl. oz/A; Applied as foliar or drip irrigation; 14 day re-treatment interval; Less than 3 applications; PHI: 10 days

E/CS Data Requirements:

E/CS Research Comments: PER 2024 PERFORMANCE PROTOCOL: TESTING FLUTRIAFOL FOR CONTROL OF STEM BLIGHT AND ANTHRACNOSE IN BLUEBERRY; COMPARE FLUTRIAFOL AT 7 FL OZ PRODUCT/A; APPLIED FULL SEASON EITHER AT A 7-DAY OR 14-DAY INTERVAL, VS A COMMERCIAL STANDARD; USE ARTIFICIAL INOCULATION IF NECESSARY; EVALUATE EFFICACY ON STEM BLIGHT IN MI AND ANTHRACNOSE IN GA/FL, AND COLLECT DATA ON CROP INJURY AND CROP YIELD AT ALL SITES

IR-4 Residue Trial Plan: 1 2-3 5-3 12 (decline)

Comments: Mfg supported at the 2023 FUW as Researchable, Residue & E/CS Data Needed:09/23/sb; EPA Green 12/23; Performance protocol signed and status will be changed from "E/cs ongoing" to "residue ongoing e/cs ongoing" when residue protocol is signed 02/24/drs;

NER-EPA Region-FRD

24-NJ209 Bouchelle, Wesley
24-NY210 Handley, Keagan

NCR-EPA Region-FRD

24-OH243 Robinson, Allison
24-OH*244 Horst, Leona
24-WI359 Heider, Daniel J.

SOR-EPA Region-FRD

24-GA*127 Fraelich, Ben
24-NC190 Smith, Stephen C
24-NC191 Smith, Stephen C

WSR-EPA Region-FRD

24-OR272 Lightle, Dani
(Decline)

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13706	-NONE	A	PATEL	FLUTRIAFOL (FMC)	BLUEBERRY	BUSHBERRY SUBGROUP (13-07B)

Reason for Need: Mummy berry, stem blight pathogens, anthracnose, More acreage is being drip irrigated:08/23; CA/even though I am based in CA, we also need this for OR and WA and FL where we grow blueberries and have stem blight, anthracnose and mummy berry issues:08/23

Use Pattern: (PCR): 5-7 fl. oz/A; Applied as foliar or drip irrigation; 14 day re-treatment interval; Less than 3 applications; PHI: 10 days

E/CS Data Requirements:

E/CS Research Comments: PER 2024 PERFORMANCE PROTOCOL: TESTING FLUTRIAFOL FOR CONTROL OF STEM BLIGHT AND ANTHRACNOSE IN BLUEBERRY; COMPARE FLUTRIAFOL AT 7 FL OZ PRODUCT/A; APPLIED FULL SEASON EITHER AT A 7-DAY OR 14-DAY INTERVAL, VS A COMMERCIAL STANDARD; USE ARTIFICIAL INOCULATION IF NECESSARY; EVALUATE EFFICACY ON STEM BLIGHT IN MI AND ANTHRACNOSE IN GA/FL, AND COLLECT DATA ON CROP INJURY AND CROP YIELD AT ALL SITES

IR-4 Residue Trial Plan: 1 2-3 5-3 12 (decline)

Comments: Mfg supported at the 2023 FUW as Researchable, Residue & E/CS Data Needed:09/23/sb; EPA Green 12/23; Performance protocol signed and status will be changed from "E/cs ongoing" to "residue ongoing e/cs ongoing" when residue protocol is signed 02/24/drs;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-MIP09 Miles, Timothy

24-NCP09 Cline, Mr. William

24-GAP04 Oliver, Jonathan



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13532	-	+	AXTELL	NOVALURON (ADAMA,UPL NA)	BLUEBERRY	BUSHBERRY SUBGROUP (13-07B)

Reason for Need: CHILLI THRIPS (SCIRTOTHRIPS DOSALIS), FLOWER THRIPS FRANKLINIELLA SPP.; VERY FEW ALTERNATIVES EXIST OUTSIDE SPINETORAM (DELEGATE). APPEARS TO WORK WELL IN TANK MIX WITH SPINETORAM, TENDS TO CONTROL IMMATURE THRIPS

Use Pattern: (PCR): 20 - 30 FL OZ /ACRE, 2 FOLIAR APPLICATIONS WITH A RETREATMENT INTERVAL OF 7-14 DAYS AND A PHI OF 7 DAYS; DO NOT APPLY MORE THAN 90 OZ. PER ACRE PER SEASON

E/CS Data Requirements:

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING THRIPS CONTROL WITH NOVALURON (RIMON 0.83 EC PRODUCT) VS A TOLFENPYRAD (APTA) STANDARD; MAKE 3 FOLIAR APPLIC OF 20 AND 30 FL OZ OF RIMON/A, 10-DAY INTERVAL, 1-DAY PHI, IN 48-75 GPA, STARTING AT THE BEGINNING OF PEAK FLIGHT; EVALUATE EFFICACY (METHOD DEPENDS ON SPECIES) AND PHYTOTOXICITY PER DETAILED INSTRUCTIONS IN THE PROTOCOL

IR-4 Residue Trial Plan:

Comments: PLEASE SEE PR# 09052; TOLERANCE ESTABLISHED; NEED E/CS DATA ON CHILI THRIPS; Residue protocol signed, changes status from "Needs E/CS only" to "E/CS data ongoing" 02/24/drs;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-GAP03 Sial, Dr Ashfaq A

24-FLP12 Liburd, Oscar



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13682	24-FLR09	A	WELKER	TOLPYRALATE (ISK)	BLUEBERRY (Highbush)	BUSHBERRY SUBGROUP (13-07B)

Reason for Need: Pigweeds, lambsquater, crabgrass, Italian ryegrass in tank-mixtures; Group 27 herbicides not commonly utilized in blueberry and in tank mixtures with other postemergence herbicides can improve weed control and help with resistance management:07/23

Use Pattern: (PCR): Make up to 3 banded applications at 1- 1.35 fl oz/A along blueberry rows per year, at least 14 days apart, with last application 30 days prior to first harvest. See Shieldex label for guidance on adjuvant type.

E/CS Data Requirements: "Previous Oregon trial (XH589) did not show phytotoxicity"

E/CS Research Comments: PER 2024 PERFORMANCE PROTOCOL: TESTING SHIELDDEX 400 AT 3 RATES (UNSHIELDED, 0.026, 0.035, AND 0.07 LB AI/A) VS THE 0.07 LB AI/A RATE USING A SHIELDED APPLIC, ON Highbush BLUEBERRY; MAKE ALL APPLIC BANDED OVER WEEDS ALONG BOTH SIDES OF THE ROWS, IN 10-50 GPA, WITH A METHYLATED SEED OIL (MSO); MAKE 2 APPLIC OF EACH TRT 30 DAYS APART, BEGINNING WHEN THE CROP IS FLOWERING; EVALUATE WEED CONTROL, BASAL SHOOT AND FOLIAR CROP SAFETY AND CROP YIELD; SEE PROTOCOL FOR MORE DETAILED INFO ON APPLIC PROCEDURES

IR-4 Residue Trial Plan: 1 2-2 5-2 12

Comments: DMP only XH589, from 8/9/22, converted to PR# 13682 based on new pcr rec'd:07/23/sb; status updated as Mfg supports as "Researchable, residue & E/CS data needed:08/23/sb; EPA Green, 12/23; E/CS ongoing, status will be changed to "Residue on-going; E/CS on-going" once residue protocol is signed 02/24/DRS;

NER-EPA Region-FRD

24-NJ207	Bouchelle, Wesley
24-NJ208	Fisher, Jennifer

NCR-EPA Region-FRD

24-OH242	Robinson, Allison
24-WI358	Heider, Daniel J.

SOR-EPA Region-FRD

24-GA*125	Fraelich, Ben
24-NC185	Smith, Stephen C
24-NC186	Smith, Stephen C

WSR-EPA Region-FRD

24-OR266	Lightle, Dani
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CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13682	-NONE	A	BATTS	TOLPYRALATE (ISK)	BLUEBERRY (Highbush)	BUSHBERRY SUBGROUP (13-07B)

Reason for Need: Pigweeds, lambsquarters, crabgrass, Italian ryegrass in tank-mixtures; Group 27 herbicides not commonly utilized in blueberry and in tank mixtures with other postemergence herbicides can improve weed control and help with resistance management:07/23

Use Pattern: (PCR): Make up to 3 banded applications at 1- 1.35 fl oz/A along blueberry rows per year, at least 14 days apart, with last application 30 days prior to first harvest. See Shieldex label for guidance on adjuvant type.

E/CS Data Requirements: "Previous Oregon trial (XH589) did not show phytotoxicity"

E/CS Research Comments: PER 2024 PERFORMANCE PROTOCOL: TESTING SHIELDDEX 400 AT 3 RATES (UNSHIELDED, 0.026, 0.035, AND 0.07 LB AI/A) VS THE 0.07 LB AI/A RATE USING A SHIELDED APPLIC, ON Highbush BLUEBERRY; MAKE ALL APPLIC BANDED OVER WEEDS ALONG BOTH SIDES OF THE ROWS, IN 10-50 GPA, WITH A METHYLATED SEED OIL (MSO); MAKE 2 APPLIC OF EACH TRT 30 DAYS APART, BEGINNING WHEN THE CROP IS FLOWERING; EVALUATE WEED CONTROL, BASAL SHOOT AND FOLIAR CROP SAFETY AND CROP YIELD; SEE PROTOCOL FOR MORE DETAILED INFO ON APPLIC PROCEDURES

IR-4 Residue Trial Plan: 1 2-2 5-2 12

Comments: DMP only XH589, from 8/9/22, converted to PR# 13682 based on new pcr rec'd:07/23/sb; status updated as Mfg supports as "Researchable, residue & E/CS data needed:08/23/sb; EPA Green, 12/23; E/CS ongoing, status will be changed to "Residue on-going; E/CS on-going" once residue protocol is signed 02/24/DRS;

NER-EPA Region-FRD

24-NJP03 Besancon, Thierry

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

24-ORP13 Moretti, Marcelo

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
12611	24-CAR06	A	WELKER	QUINCLORAC (ADAMA,ALBAGH)	GRAPE	SMALL FRUIT VINE CLIMBING SUBGROUP, EXCEPT FUZZY KIWIFRUIT (13-07F)

Reason for Need: FIELD BINDWEED, HEDGE BINDWEED, CANADA THISTLE, CRABGRASS, BARNYARDGRASS, FOXTAIL; OTHER POST HERBICIDES ARE NOT EFFECTIVE AGAINST THESE WEEDS; PER NJ ME-TOO REQUEST, OPTIONS FOR CONTROLLING CLOVER AND BINDWEED IN GRAPE ARE NON-EXISTENT, AND QUINCLORAC WOULD BE A GOOD FIT FOR CONTROLLING THESE INCREASINGLY TROUBLESOME WEEDS; PER NY ME-TOO REQUEST: CONTROL OF PERENNIAL VINING WEEDS LIKE BINDWEED IS DIFFICULT DUE TO LIMITED HERBICIDE OPTIONS

Use Pattern: (PCR): USE THE QUINSTAR PRODUCT; MAKE 2 APPLIC OF 0.375 LB AI/A, POST DIRECTED TO WEEDS AT BASE OF GRAPE PLANTS; 30-DAY INTERVAL, 30-DAY PHI; APPLY IN A BAND AS A DIRECTED SPRAY, AVOIDING CONTACT WITH CROP LEAVES

E/CS Data Requirements:

E/CS Research Comments: IN THE PERFORMANCE PROTOCOLS FOR 2021/2022 TRIALS, EACH TRIAL LASTS TWO YEARS, WITH THE SAME TREATMENTS APPLIED TO THE SAME PLOTS EACH YEAR; TESTING 2 RATES OF QUINSTAR 4L (0.375 AND 0.75 LB AI/A), IN AT LEAST 10 GPA, COMBINED WITH A CROP OIL CONCENTRATE (COC) AT 2 PT/A OR A METHYLATED SEED OIL (MSO) AT 1.5 PT/A; TREATMENTS WILL BE APPLIED AS BANDED SPRAYS TO THE VINEYARD FLOOR (SEE PROTOCOL FOR MORE DETAILED APPLIC REQUIREMENTS); EVALUATE CROP INJURY AND VIGOR, WEED CONTROL EFFICACY AND CROP YIELD

IR-4 Residue Trial Plan: 1-2 10-8 11/12-2, raisins & juice are needed, no decline

Comments: NO EXPORT MARKETS NOTED:08/18; EPA GREEN:09/19; MFG CHANGED FROM UNDER EVAL TO POTENTIAL AT FUW:09/24/19; PROMISING PERFORMANCE DATA OBSERVED FROM YEAR 1 AND CURRENTLY WE ARE IN YEAR 2 OF THE STUDY:08/22; STATUS UPDATED TO RESEARCHABLE, E/CS ON-GOING; RESIDUE DATA NEEDED:10/22; EPA GREEN: 08/23; mfg updated status at the 2023 FUW from researchable, e/cs on-going, residue data needed, to Researchable, only Residue Data Needed:09/23/sb; this study rec'd a "B" priority at the 2023 FUW and was upgraded to an "A" as a result of studies needed to replace others removed for ChecmSACs:01/24/sb;

NER-EPA Region-FRD

24-NJ392 Fisher, Jennifer
24-NY393 Handley, Keagan

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

24-CA394 Skiles, Keri
(processing) (juice)
24-CA395 Skiles, Keri
(processing) (raisin)
24-WA396 Peng, Wilson
(Reg 11)
24-CA398 Leach, Nathan
24-CA399 Leach, Nathan

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13756	-NONE	+	PATEL	AC203 (AC)	STRAWBERRY	LOW GROWING BERRY SUBGROUP (13-07G)

Reason for Need: Botrytis fruit rot; need for effective biopesticides against Botrytis fruit rot; need effective rotation partners for anti-resistance practices:08/23;
PA/Resistance to conventional fungicides has become a significant concern in PA:08/23

Use Pattern: (PCR): 16 fl. oz/A; 4-6 foliar applications; RTI: unknown but needs to be less than 12 hours; PHI: unknown but needs to be <3 days, preferably 0 days

E/CS Data Requirements:

E/CS Research Comments: PER 2024 PERFORMANCE PROTOCOL: TESTING AC203 (VS A REGISTERED STANDARD) FOR RESISTANCE MANAGEMENT OF BOTRYTIS FRUIT ROT/GRAY MOLD; USE A LOCAL VARIETY SUSCEPTIBLE TO THE TARGET DISEASE; APPLY 24 FL OZ/A OF PRODUCT AS A FOLIAR SPRAY, BEGINNING BEFORE DISEASE DEVELOPMENT; RETREATMENT INTERVAL IS 7 DAYS, WITH A 0-DAY PHI; EVALUATE EFFICACY, YIELD AND CROP INJURY; SEE PROTOCOL FOR MORE EVALUATION REQUIREMENTS

IR-4 Residue Trial Plan: 1 2 3 5 10-3 12

Comments: Mfg Supports as Potential: E/CS Data Before Approval for Residue:08/23; E/CS ongoing, data needed before approval for residue 02/24/DRS;

NER-EPA Region-FRD

24-MDP04 Hu, Dr. Mengjun

NCR-EPA Region-FRD

SOR-EPA Region-FRD

24-FLP16 Peres, N.A.

WSR-EPA Region-FRD

24-CAP21 Holmes, Gerald (CA)

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13322	-NONE	+	BATTS	FLAZASULFURON (ISK)	STRAWBERRY	LOW GROWING BERRY SUBGROUP (13-07G)

Reason for Need: YELLOW NUTSEDGE, BROADLEAF WEEDS, ANNUAL GRASSES, LACK OF ALTERNATIVES; SSR from NY, Limited weed control options particularly when residuals break down following harvest in perennial strawberries:07/23; NJ/Post-harvest control of yellow nutsedge in strawberry remains an issue that could be addressed by flazasulfuron:09/23

Use Pattern: (PCR): MISSION, 1.5 OZ/A; PREPLANT TO RAISED BED, POST EMERGENCE OVER THE TOP, PRE EMERGENCE OR POST EMERGENCE TO ROW MIDDLES, 1 APPLIC AND LIKELY 75 DAY PHI.

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan:

Comments:

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-ALP03 Vinson, Edgar
24-NCP06 Jennings, Katie



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12579	-NONE	+	BATTS	FLUMIOXAZIN + PYROXASULFONE (KICHEM,VALENT)	STRAWBERRY	LOW GROWING BERRY SUBGROUP (13-07G)
<p>Reason for Need: WEEDS IN ROW MIDDLES; IMPROVED SPECTRUM OF CONTROL OVER CURRENTLY REGISTERED PRODUCTS; NY/Weed control in row middles is a significant issue late season after at-plant treatments have broken down; increased/improved spectrum of control:09/23</p> <p>Use Pattern: (PCR): REQUESTOR INDICATED THE PRODUCT AS COBRA (LACTOFEN), BUT THE AI IS SPECIFIED AS FLUMIOXAZIN + PYROXASULFONE, WHICH IS THE FIERCE PRODUCT; USE PATTERN GIVEN IS: MAKE 2 SOIL OR FOLIAR APPLIC, 14 DAYS APART; APPLY AS A PRE TO SOIL OR AS A POST ON PLANTS LESS THAN 5 INCHES TALL; DO NOT ALLOW TO COME IN CONTACT WITH THE CROP; NO RATE OR PHI SPECIFIED; IR-4 SUGGESTS CONSIDERATION OF A 30-DAY INTERVAL BETWEEN APPLIC:07/20</p> <p>E/CS Data Requirements: NEED 4 E/CS TRIALS, ALL DONE IN ONE YEAR SHOULD BE FINE:04/22; MFG SUGGESTS SETTING UP E/CS PROTOCOL LIKE THE TOMATO/PEPPER PROTOCOL - 3, 4.5 AND 6 OZ/A, APPLIED TWICE TO ROW MIDDLES, 30-DAY INTERVAL, BEGINNING WHEN WEEDS ARE 2-4" TALL, NO CONTACT WITH CROP ALLOWED:07/20</p> <p>E/CS Research Comments: PER 2023 PERFORMANCE PROTOCOL: USE THE FIERCE EZ PRODUCT; TEST 3 RATES (6.0, 9.0 AND 12.0 OZ PRODUCT/A + A NONIONIC SURFACTANT AT 0.25% V/V OR A CROP OIL CONCENTRATE AT 1 QT/A) VS A REGISTERED STANDARD AT A LABELED RATE; MAKE 2 POSTEMERGENCE APPLIC 30 DAYS APART, IN >5 GPA, AS BANDED SPRAYS TO ROW MIDDLES ONLY USING A HOODED/SHIELDED SPRAYER, WITH FIRST APPLIC WHEN WEEDS ARE 2-4 INCHES TALL; EVALUATE CROP INJURY AND WEED CONTROL; CROP YIELD DATA ARE NOT REQUIRED</p> <p>IR-4 Residue Trial Plan: 1 2 3 5 10-3 12</p> <p>Comments: TOLERANCE IS ESTABLISHED FOR FLUMIOXAZIN ON CROP SUBGROUP 13-07G, WITH STRAWBERRY AS THE REP CROP; NO KEY EXPORT MARKETS:07/18; VALENT AND KUMIAI SUPPORT, BUT KUMIAI REQUIRES PERFORMANCE DATA BEFORE APPROVAL FOR RESIDUE WORK:08/18; PERFORMANCE PROTOCOL WAS SIGNED 9/5/23, SO THE CATEGORY HAS NOW BEEN CHANGED FROM POTENTIAL, E/CS DATA BEFORE APPROVAL FOR RESIDUE STUDY TO E/CS DATA ONGOING:02/24/sb</p>						
<div><div>NER-EPA Region-FRD</div><div>24-MDP01 Vollmer, Kurt (MD)</div></div> <div>NCR-EPA Region-FRD</div> <div>SOR-EPA Region-FRD</div> <div><div>WSR-EPA Region-FRD</div><div>24-ALP02 Vinson, Edgar 24-FLP01 Boyd, Nathan</div></div> <div>CANADA-EPA Region-FRD</div>						



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P11611	-NONE	+	BATTS	QUINCLORAC (ADAMA,ALBAGH)	STRAWBERRY	LOW GROWING BERRY SUBGROUP (13-07G)

Reason for Need: WEED CONTROL IN BETWEEN PLASTIC CULTURE ROWS; TO BE USED ALONG WITH SEEDING OF ANNUAL GRASS COVER CROP TO ELIMINATE ANNUAL WEEDS FROM SEED; ALSO FOR USE AS POSTEMERGENCE WEED CONTROL IN THE SAME SITUATION; NEEDED TO CONTROL FIELD BINDWEED IN BEARING PERENNIAL STRAWBERRY:01/17

Use Pattern: (PCR): USE THE FACET PRODUCT; MAX 2 APPLIC OF 0.25-0.50 LB AI/A, FIRST AT SEEDING OF COVER CROP (SUCH AS RYE, TURF TYPE) AND 2ND UP TO 60 DAYS LATER; 30-DAY PHI; KEEP DRIFT OFF OF STRAWBERRY PLANTS

E/CS Data Requirements:

E/CS Research Comments: IN THE 2023 PERFORMANCE PROTOCOL: TESTING 2 RATES OF QUINSTAR 4L (0.375 AND 0.75 LB AI/A), APPLIED 3 TIMES OVER 2 YEARS WITH A HOODED/SHIELDED SPRAYER, AS BANDED APPLIC TO THE SOIL ON BOTH SIDES OF STRAWBERRY BEDS, IN AT LEAST 15 GPA, COMBINED WITH A QUINSTAR LABEL RECOMMENDED ADJUVANT; 1ST APPLIC OF TRMTS WILL BE IN THE ESTABLISHMENT YEAR 2023, ABOUT 5-6 WEEKS AFTER PLANTING; 2ND AND 3RD APPLIC WILL BE IN 2024, WITH FINAL (3RD) APPLIC AFTER FINAL BERRY HARVEST IN 2024 (SEE PROTOCOL FOR MORE DETAILED APPLIC REQUIREMENTS); EVALUATE CROP INJURY AND VIGOR, WEED CONTROL EFFICACY AND CROP YIELD; PER THE 2024 PROTOCOL, TEST THE SAME RATES, GPA, # OF APPLIC, INTERVAL, BUT SEE PROTOCOL FOR SOME APPLIC TIMING AND METHOD CHANGES FROM EARLIER YEAR TESTING

IR-4 Residue Trial Plan: 1 2 3 5 10-3 12

Comments: TOLERANCE IS ESTABLISHED ON LOW GROWING BERRY, EXCEPT STRAWBERRY, CROP SUBGROUP 13-07H, AND QUINSTAR 4L SUPPLEMENTAL LABEL PROHIBITS USE ON STRAWBERRY:11/14; AT 2015 FUW, ADAMA CONFIRMED THEY WILL NOT SUPPORT THIS REQUEST; NEED TO CHECK WITH OTHER MFG:09/15; EPA GREEN:09/18 & 09/19; ADAMA WILL SUPPORT IF ALBAUGH DOESN'T:05/20; EPA GREEN: 08/20, 08/21, 08/23

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-ALP01 Vinson, Edgar
24-SCP01 Cutulle, Matthew

24-ORP01 Moretti, Marcelo



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13716	-NONE	A	PATEL	MEFENOXAM (SYNGEN)	STRAWBERRY (GH TRANSPLANT)	LOW GROWING BERRY SUBGROUP (13-07G)

Reason for Need: Phytophthora root rot; Segovis is registered for non-bearing plants but there is no other product for Phytophthora registered for resistance management. Plantlets may originate from thjavascript:___doPostBack('DetailView\$ctl01','")e field and Phytophthora is commonly encountered.

Use Pattern: (PCR): Use Subdue at 21.7 ml/1000 sq. ft; Drench application; 1 application; apply as a drench at planting/transplanting in greenhouse; PHI: 1 day; Per mfg, applications are not to be made made in the field and that the "at transplant" refers to the planting of plantlets into pots while in the greenhouse; the plantlets would be planted into their final container, a drench applied, grown for several weeks in the greenhouse and then sold to consumers at retail:09/23

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 1 3 5 10-2 12

Comments: Mfg supports as "researchable, residue & e/cs data needed and applications are not to be made made in the field and that the "at transplant" refers to the planting of plantlets into pots while in the greenhouse; the plantlets would be planted into their final container, a drench applied, grown for several weeks in the greenhouse and then sold to consumers at retail:09/23/sb; commodity changed from Strawberry (GH) to Strawberry (GH Transplant):09/23/sb; Possible ChemSAC(?):09/23/sb; EPA Green 12/23; this study will be covered by ChemSAC for residue so the status of Researchable, Residue & E/CS Data needed is being updated to "tolerance to be pursued with no data proposal/petition" and once the E/CS protocol is signed it can be updated to E/CS data ongoing:01/24/sb

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-MIP11 Miles, Timothy
24-MIP10 Hausbeck, Dr. Mary K.



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12609	24-CAR05	A	WELKER	ISOFETAMID (ISK)	STRAWBERRY (GH)	LOW GROWING BERRY SUBGROUP (13-07G)

Reason for Need: POWDERY MILDEW, GRAY MOLD, ANTHRACNOSE; NEED ADDITIONAL LABELED PRODUCTS FOR GREENHOUSE CONTROL; IMPORTANT FOR RESISTANCE MANAGEMENT

Use Pattern: (PCR): USE THE KENJA PRODUCT; MAKE FOLIAR APPLIC; NO OTHER USE PATTERN DETAILS PROVIDED, EXCEPT A NOTE ABOUT EUROPEAN DATA (COULD EU DATA SUPPORT A U.S. USE WITHOUT U.S. TRIALS?)

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: Any 4

Comments: IS A LIKELY EXPORT CROP, BUT NO MARKETS NOTED; MFG SUPPORTS, RESIDUE AND PERFORMANCE DATA REQUIRED; MFG IS PURSUING USE ON FIELD STRAWBERRY, 0-DAY PHI:08/18; MFG CHANGED STATUS TO RESIDUE ONLY (HAVE PLENTY OF DATA TO SUPPORT THE USE FOR CONTROL OF TARGET PESTS):07/19; EPA GREEN:09/19 & 08/20, 08/21, 08/22, 08/23

NER-EPA Region-FRD

24-MD156 James Hickman, Mega

NCR-EPA Region-FRD

24-OH*225 Horst, Leona
24-WI333 Chapman, Scott

SOR-EPA Region-FRD

24-FL98 Thomas, Darrell

WSR-EPA Region-FRD

24-CA12 Ennes, D. (Kearney)

CANADA-EPA Region-FRD



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13705	24-CAR15	A	MARCONI	NAA (AMVAC)	HAZELNUT (FILBERT)	TREE NUT GROUP (14-12)

Reason for Need: Hazelnut suckers control, NAA has lower volatility when compared to 2,4-D, and can be used safely in season with reduced concerns of crop damage. As it suppresses sucker growth for up to four weeks, it can help reduce the number of applications per season targeting suckers. We are also mixing NAA with latex paint and applying to the trunk to suppress suckers and water sprouts:08/23

Use Pattern: (PCR): Copied from PR# 13065; USE THE TREE-HOLD SPROUT INHIBITOR A-112 PRODUCT; MAKE 2 SOIL DIRECTED BASAL APPLIC OF A 1% AI SOLUTION, V/V, 28-DAY INTERVAL; NO PHI NOTED; APPLY AS A DIRECTED SPRAY TO THE LOWER TREE TRUNKS AND IMMEDIATE SURROUNDING AREA; MAKE 1ST APPLIC WHEN SUCKERS ARE LESS THAN 1 INCH (USUALLY APRIL TO EARLY MAY IN THE WILLAMETTE VALLEY); APPLY IN A DILUTE VOLUME OF UP TO 44 GPA, USING A NOZZLE THAT GENERATES COARSE DROPLETS, AND DIRECT THE SPRAY TO THE BASE OF THE TREES; IF NEEDED RE-APPLY IN 28 DAYS; DO NOT APPLY BY AIR; DO NOT ALLOW SPRAY TO SPLASH OR DRIP ONTO OTHER PARTS OF THE TREE; CHANGE IN THE USE PATTERN AS AGREED BY REQUESTER AND REGISTRANT- 2 APPLIC, 30 DAYS RETREATMENT INTERVAL; 45 DAYS PHI:04/22; Based on guidance on NAA from EPA, MFG suggests the use pattern include the following: Apply product as a directed spray to the lower tree trunks and up to 12 inches (1 foot) around the base of the tree:09/23

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: Any 4

Comments: The residue project for this study was canceled under PR# 13065, with performance still ongoing, and a new pcr & # was needed to review for residue again, which was rec'd:8/23; Mfg supports as "Researchable, Residue & E/CS Data Needed:08/23; Mfg updated support at 2023 FUW from Researchable, Residue & E/CS data Needed to "Residue only", but with phyto observations with the residue:09/23/sb; EPA Green 12/23;

<u>NER-EPA Region-FRD</u>	<u>NCR-EPA Region-FRD</u>	<u>SOR-EPA Region-FRD</u>	<u>WSR-EPA Region-FRD</u>	<u>CANADA-EPA Region-FRD</u>
			24-OR268	Lightle, Dani
			24-OR269	Lightle, Dani
			24-OR270	Lightle, Dani
			24-OR271	Lightle, Dani



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13679	24-TIR03	A	WELKER	TOLPYRALATE (ISK)	HAZELNUT (FILBERT)	TREE NUT GROUP (14-12)

Reason for Need: Pigweeds, lambsquater, crabgrass, Italian ryegrass in tank-mixtures; Group 27 herbicides not commonly utilized in tree nut and in tank mixtures with other postemergence herbicides can improve weed control and help with resistance management:07/23; NY/Hazelnuts are an emerging industry in the Northeastern US. Novel weed control tools are needed to support a crop that is trying to become established, nationally:09/23

Use Pattern: (PCR): Make up to 3 directed applications per season to soil and across lower trunks, at least 14 days apart, with last application 30 days before harvest. Follow current Shieldex label for adjuvant type.

E/CS Data Requirements:

E/CS Research Comments: PER 2024 PERFORMANCE PROTOCOL: ON PLANTS THAT ARE ESTABLISHED FOR AT LEAST 2 YEARS, TESTING SHIELDEX 400 AT 3 RATES (TWO APPLIC [WITH THE FIRST WHEN SUCKERS ARE 3-4" TALL], 14-DAY INTERVAL, UNSHIELDED, 0.026, 0.035, AND 0.07 LB AI/A) VS THE COMBO SHIELDEX + TIAFENACIL, VS TIAFENACIL ALONE, VS ONE APPLIC OF THE 0.035 LB AI/A RATE OF SHIELDEX WHEN SUCKERS ARE 6-8" TALL; MAKE ALL APPLIC BANDED OVER WEEDS ALONG BOTH SIDES OF THE ROWS, IN 10-50 GPA, WITH A METHYLATED SEED OIL (MSO); EVALUATE WEED CONTROL, CROP SAFETY AND CROP YIELD; SEE PROTOCOL FOR MORE DETAILED INFO ON APPLIC PROCEDURES

IR-4 Residue Trial Plan: Any 4; NAFTA, ANY 4 Typically in zone 12;

Comments: DMP only XH574, from 6/30/21, converted to PR# 13679 based on new pcr rec'd:07/23/sb; status updated as Mfg supports as "Researchable, only residue data needed:08/23/sb; Mfg updated status at 2023 FUW, from Researchable, only residue data needed, to Researchable, Residue & E/CS Data Needed:09/23/sb; EPA Green 12/23; Changed from "Researchable, Residue & E/CS Data Needed" to "E/CS ongoing" until residue protocol is signed 03/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-OR262	Lightle, Dani
24-OR263	Lightle, Dani
24-OR264	Lightle, Dani
24-OR265	Lightle, Dani



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13679	-NONE	A	BATTS	TOLPYRALATE (ISK)	HAZELNUT (FILBERT)	TREE NUT GROUP (14-12)

Reason for Need: Pigweeds, lambsquater, crabgrass, Italian ryegrass in tank-mixtures; Group 27 herbicides not commonly utilized in tree nut and in tank mixtures with other postemergence herbicides can improve weed control and help with resistance management:07/23; NY/Hazelnuts are an emerging industry in the Northeastern US. Novel weed control tools are needed to support a crop that is trying to become established, nationally:09/23

Use Pattern: (PCR): Make up to 3 directed applications per season to soil and across lower trunks, at least 14 days apart, with last application 30 days before harvest. Follow current Shieldex label for adjuvant type.

E/CS Data Requirements:

E/CS Research Comments: PER 2024 PERFORMANCE PROTOCOL: ON PLANTS THAT ARE ESTABLISHED FOR AT LEAST 2 YEARS, TESTING SHIELDEX 400 AT 3 RATES (TWO APPLIC [WITH THE FIRST WHEN SUCKERS ARE 3-4" TALL], 14-DAY INTERVAL, UNSHIELDED, 0.026, 0.035, AND 0.07 LB AI/A) VS THE COMBO SHIELDEX + TIAFENACIL, VS TIAFENACIL ALONE, VS ONE APPLIC OF THE 0.035 LB AI/A RATE OF SHIELDEX WHEN SUCKERS ARE 6-8" TALL; MAKE ALL APPLIC BANDED OVER WEEDS ALONG BOTH SIDES OF THE ROWS, IN 10-50 GPA, WITH A METHYLATED SEED OIL (MSO); EVALUATE WEED CONTROL, CROP SAFETY AND CROP YIELD; SEE PROTOCOL FOR MORE DETAILED INFO ON APPLIC PROCEDURES

IR-4 Residue Trial Plan: Any 4; NAFTA, ANY 4 Typically in zone 12;

Comments: DMP only XH574, from 6/30/21, converted to PR# 13679 based on new pcr rec'd:07/23/sb; status updated as Mfg supports as "Researchable, only residue data needed:08/23/sb; Mfg updated status at 2023 FUW, from Researchable, only residue data needed, to Researchable, Residue & E/CS Data Needed:09/23/sb; EPA Green 12/23; Changed from "Researchable, Residue & E/CS Data Needed" to "E/CS ongoing" until residue protocol is signed 03/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-ORP12 Moretti, Marcelo
24-ORP14 Moretti, Marcelo



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13664	24-CAR13	A	MARCONI	FLUTRIAFOL (FMC)	PISTACHIO	TREE NUT GROUP (14-12)

Reason for Need: Cotton Root Rot (Phymatotropicopsis omnivora); No labelled product for pistachio:07/23; CA - Disease is rarely seen in California but is a problem in Arizona. In CA, would provide help for the impacted growers; effect against Botryosphaeria panicle and shoot blight; effect against Alternaria late blight of pistachio:08/23

Use Pattern: (PCR): Soil Drench: To be made after the tree is planted. When Rhyme™ fungicide is applied as a soil drench, the application should be made from 2-3 feet around the base of the tree at concentrations not to exceed 7 fl oz/acre per application. The amount of fungicide to use per tree is based on tree and row spacing. AND/OR Drip or Micro-chemigation: Rhyme™ fungicide may be applied through drip or micro chemigation systems where irrigation water configures around the trunk and root zone; # of applications: 4; RTI: 7; PHI: 14; maximum applications/year: 4; maximum product/year: 28 fl. oz/A

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: Any 4

Comments: Mfg supported at the 2023 FUW as Researchable, Residue & E/CS Data Needed. Mfg does have concern with mrls for export:09/23/sb; EPA Green 12/23;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-CA53	Ennes, D. (Kearney)
24-CA55	Ennes, D. (Kearney)
24-CA54	Skiles, Keri
24-CA52	Watkins, S.



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13664	-NONE	A	PATEL	FLUTRIAFOL (FMC)	PISTACHIO	TREE NUT GROUP (14-12)
<p><u>Reason for Need:</u> Cotton Root Rot (Phymatotropicopsis omnivora); No labelled product for pistachio:07/23; CA - Disease is rarely seen in California but is a problem in Arizona. In CA, would provide help for the impacted growers; effect against Botryosphaeria panicle and shoot blight; effect against Alternaria late blight of pistachio:08/23</p> <p><u>Use Pattern: (PCR):</u> Soil Drench: To be made after the tree is planted. When Rhyme™ fungicide is applied as a soil drench, the application should be made from 2-3 feet around the base of the tree at concentrations not to exceed 7 fl oz/acre per application. The amount of fungicide to use per tree is based on tree and row spacing. AND/OR Drip or Micro-chemigation: Rhyme™ fungicide may be applied through drip or micro chemigation systems where irrigation water configures around the trunk and root zone; # of applications: 4; RTI: 7; PHI: 14; maximum applications/year: 4; maximum product/year: 28 fl. oz/A</p> <p><u>E/CS Data Requirements:</u></p> <p><u>E/CS Research Comments:</u></p> <p><u>IR-4 Residue Trial Plan:</u> Any 4</p> <p><u>Comments:</u> Mfg supported at the 2023 FUW as Researchable, Residue & E/CS Data Needed. Mfg does have concern with mrls for export:09/23/sb; EPA Green 12/23;</p>						
<u>NER-EPA Region-FRD</u>		<u>NCR-EPA Region-FRD</u>		<u>SOR-EPA Region-FRD</u>		<u>WSR-EPA Region-FRD</u>
						<u>CANADA-EPA Region-FRD</u>
						24-AZP03 Hu, Alex



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
13184	23-CAR04	A	MARCONI	CLETHODIM (ADAMA,UPL NA,VALENT)	RICE	CEREAL GRAINS AND CEREAL GRAINS FORAGE/FODDER/STRAW GROUPS (15-16)

Reason for Need: RED RICE (ORYZA SATIVA) KNOWN AS WEEDY RICE BECAUSE 7 BIOTYPES HAVE BEEN IDENTIFIED; NO HERBICIDES REGISTERED ON RICE ARE EFFECTIVE IN CONTROL; ABOUT 2,000 ACRES ARE INFESTED; HOWEVER, THE WEEDY RICE HAS POTENTIAL TO BECOME A SIGNIFICANT PEST, DECREASING YIELD AND QUALITY; BEST MANAGEMENT PRACTICES WERE DEVELOPED WITH NO HERBICIDE LISTED OTHER THAN GLYPHOSATE FOR PREPLANT APPLIC; NO GLYPHOSATE APPLIC FOR FOLIAR USE OR SPOT TREATMENT PER LABEL CONDITIONS; PER ME TOO, ARKANSAS CURRENTLY HAS APPROXIMATELY 15-20% OF 1.5 MILLION RICE ACRES INFESTED WITH WEEDY RICE. OF THAT, 50% OF THE WEEDY RICE IS RESISTANT TO ALS HERBICIDES.:03/21;

Use Pattern: (PCR): USE THE SELECTMAX WITH INSIDE TECHNOLOGY PRODUCT; MAKE 1 FOLIAR APPLIC OF 2.6% AI (16 OZ/A OF 0.97 LB/GAL CLETHODIM); VIA GROUND RIG, AT TILLERING THROUGH HEADING, BEFORE SEED IS FILLED, TO CONTROL THE WEEDY RICE PLANT; 14-DAY PHI; FOR SPOT TREATING, APPLY WITH HAND GUN SPRAYERS OR HIGH-VOLUME SPRAYERS UTILIZING HAND GUNS; USE A MINIMUM OF 5 GPA TO A MAXIMUM OF 40 GPA

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 10-4 for regional registration; 2 Red A Trials needed for 2024 Field Season.

Comments: JAPAN NOTED AS A KEY EXPORT MARKET:10/20; VALENT CONFIRMED SUPPORT OF THIS REQUEST, ONLY RESIDUE DATA NEEDED:11/20; ME TOO, AR, 03/21; EPA (HOLD) CAUTION: 08/21; EPA ORANGE: 08/22: AR AND LA NOT INTERESTED; CA IS THE ONLY STATE TRYING TO GET IT REGISTERED: 08/22

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-CA31 Watkins, S.
(processing)
24-CA32 Watkins, S.
(decline)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
13718	24-CAR17	A	PIKE	INDOXACARB (FMC)	CLOVER (SEED CROP)	NONGRASS ANIMAL FEEDS GROUP (18)

Reason for Need: clover seed weevil; Insecticide resistance and field-level control failures are common in white clover seed, which has been controlled with bifenthrin. The other alternative, malathion, has substantive bee safety concerns and resistance development concerns:08/23

Use Pattern: (PCR): Apply Steward as a broadcast foliar spray at 11.3 fl oz product/ac, 1 application in pre-bloom, 30 day PHI

E/CS Data Requirements:

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING STEWARD EC VS MALATHION FOR CONTROL OF CLOVER SEED WEEVIL IN WHITE CLOVER (SEED CROP); MAKE ONE BROADCAST APPLIC OF 11.3 FL OZ PRODUCT/A, IN AT LEAST 15 GPA, IN PRE-BLOOM AT FIRST LARVAL DETECTION (APPLY AT NIGHT TO AVOID CONTACT WITH ACTIVE POLLINATORS); EVALUATE EFFICACY, CROP YIELD AND PHYTOTOXICITY

IR-4 Residue Trial Plan: 11/12-5 (1 decline)

Comments: Mfg supported at the 2023 FUW as Researchable, Residue & E/CS Data Needed:09/23/sb; EPA Green 12/23; Changed from "Researchable, Residue & E/CS Data Needed" to "ECS ongoing" until residue protocol is signed 03/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-ID145	Meeks, Mr. Will
24-OR274	Lightle, Dani
(decline)	
24-OR275	Lightle, Dani
24-WA*326	Larson, Duane
24-WA*327	Larson, Duane



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13718	-NONE	A	AXTELL	INDOXACARB (FMC)	CLOVER (SEED CROP)	NONGRASS ANIMAL FEEDS GROUP (18)

Reason for Need: clover seed weevil; Insecticide resistance and field-level control failures are common in white clover seed, which has been controlled with bifenthrin. The other alternative, malathion, has substantive bee safety concerns and resistance development concerns:08/23

Use Pattern: (PCR): Apply Steward as a broadcast foliar spray at 11.3 fl oz product/ac, 1 application in pre-bloom, 30 day PHI

E/CS Data Requirements:

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING STEWARD EC VS MALATHION FOR CONTROL OF CLOVER SEED WEEVIL IN WHITE CLOVER (SEED CROP); MAKE ONE BROADCAST APPLIC OF 11.3 FL OZ PRODUCT/A, IN AT LEAST 15 GPA, IN PRE-BLOOM AT FIRST LARVAL DETECTION (APPLY AT NIGHT TO AVOID CONTACT WITH ACTIVE POLLINATORS); EVALUATE EFFICACY, CROP YIELD AND PHYTOTOXICITY

IR-4 Residue Trial Plan: 11/12-5 (1 decline)

Comments: Mfg supported at the 2023 FUW as Researchable, Residue & E/CS Data Needed:09/23/sb; EPA Green 12/23; Changed from "Researchable, Residue & E/CS Data Needed" to "ECS ongoing" until residue protocol is signed 03/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-ORP07 Kaur, Navneet
24-ORP15 Kaur, Navneet



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13092	24-TBD	A	DINEEN	NORFLURAZON (TKI)	CLOVER (SEED CROP)	NONGRASS ANIMAL FEEDS GROUP (18)

Reason for Need: BUCKHORN PLANTAIN; THERE ARE NO CURRENTLY REGISTERED HERBICIDES ON CLOVER FOR SEED THAT GIVE SUITABLE CONTROL OF BUCKHORN PLANTAIN

Use Pattern: (PCR): USE THE SOLICAM PRODUCT; MAKE 1 FOLIAR BROADCAST APPLIC OF 1.0-1.25 LB AI/A; APPLY AFTER 1 TRIFOLIATE AFTER PLANTING; 28-DAY PHI

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 11/12-5 (HAY AND FORAGE FROM EACH TRIAL); NEED 1 TRIAL AS A DECLINE (FORAGE ONLY AT EACH SAMPLING DATE)

Comments: NO KEY EXPORT MARKETS NOTED:07/20; HQ NOTES THAT THE SOLICAM DF LABEL ONLY CLAIMS SUPPRESSION OF PLANTAIN SPECIES, EVEN UP TO 5 LB PRODUCT/A (3.93 LB AI/A), AND HAS A 90-DAY RESTRICTION ON GRAZING OR HARVESTING OF SOYBEAN FORAGE OR HAY:08/20; TKI CONFIRMED BY EMAIL THAT STATUS CAN BE CHANGED TO RESEARCHABLE, RESIDUE ONLY:09/20; EPA HOLD:12/20; CAT CHANGED FROM RESEARCHABLE, ONLY RESIDUE DATA NEEDED CHANGED TO EPA HOLD:12/20; PRIORITY A SELECTED AT 2020 WORKSHOP AND REMOVED DUE TO EPA HOLD:01/21;Status changed from EPA HOLD to Researchable: Residue Only for the purposes of assigning trials before we can get confirmation from the EPA in terms of stoplight analysis: 10/23, JPB; EPA Caution (2023), so study will move forward:12/23/sb; EPA Yellow, 12/23; Trials ongoing, only residue data needed 02/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-OR256 Lightle, Dani
(early protocol)
24-OR255 Lightle, Dani
(early protocol)(decline)
24-WA316 Peng, Wilson
(early protocol)
24-WA315 Peng, Wilson
(early protocol)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13631	24-TIR02	A	WELKER	S-METOLACHLOR/METOLAC HLOR (SYNGEN,UPL NA)	CARINATA (BRASSICA CARINATA)	RAPESEED SUBGROUP (20A)

Reason for Need: Winter Weeds; Carinata acreage is doubling yearly, and there are no effective preemergence herbicides registered for this crop. There is data on safety and efficacy that indicates s-metolachlor is a good herbicide option for this crop 05/23;

Use Pattern: (PCR): Use Dual Magnum and conduct 1 pre-emergent soil application at 0.95 to 1.3 lbs ai/acre. Within rate ranges, use the lower rate on soils relatively coarse-textured or low in organic matter; use the higher rate on soils relatively fine textured or high in organic matter. Within two days of application 0.5 to 1.0 inch of irrigation or rainfall are needed incorporate and activate the herbicide. PHI not defined.

E/CS Data Requirements:

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING 5 RATES OF DUAL MAGNUM APPLIED PRE-EMERGENCE BROADCAST (ONE APPLIC OF 0.625, 1.25, 1.875, 2.5 AND 5.0 LB AI/A) AFTER SEEDING BUT PRIOR TO WEED OR CROP EMERGENCE, COMPARED WITH 4 RATES APPLIED EARLY POSTEMERGENCE (ONE APPLIC OF 0.625, 1.25, 1.875 AND 2.5 LB AI/A) WHEN CARINATA IS IN THE 3-6 LEAF STAGE, ALL IN AT LEAST 10 GPA; IN ORDER TO ACTIVATE THE HERBICIDE, AT LEAST 0.5 INCH OF WATER (RAIN AND/OR IRRIGATION) IS NEEDED WITHIN 2 DAYS AFTER APPLIC; EVALUATE CROP INJURY, WEED CONTROL AND CROP YIELD

IR-4 Residue Trial Plan: Any 4 (1 processing, maybe 2 since new)

Comments: X-ref with pr# 10971, but treat this as a new request (not a similar supporting request):05/23/sb; the MFG supports this request for the commercial product Dual Magnum and requires a letter of support from COI/CRO:5/23/sb; Syngenta supports this request as "Researchable, residue & e/cs data needed:06/23/sb; EPA GREEN: 08/23; the performance protocol was signed 1/3/24, so I have now updated the status to E/CS Data Ongoing. This will be updated to Res & E/CS ongoing once the residue protocol is signed:02/24/sb

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FL108	Long, Michael
24-GA*122	Fraelich, Ben
24-NC182	Smith, Stephen C
24-SC*297	Wade, Paul

24-CA43	Leach, Nathan
(processing)	



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13631	-	A	BATTS	S-METOLACHLOR/METOLAC HLOR (SYNGEN,UPL NA)	CARINATA (BRASSICA CARINATA)	RAPESEED SUBGROUP (20A)

Reason for Need: Winter Weeds; Carinata acreage is doubling yearly, and there are no effective preemergence herbicides registered for this crop. There is data on safety and efficacy that indicates s-metolachlor is a good herbicide option for this crop 05/23;

Use Pattern: (PCR): Use Dual Magnum and conduct 1 pre-emergent soil application at 0.95 to 1.3 lbs ai/acre. Within rate ranges, use the lower rate on soils relatively coarse-textured or low in organic matter; use the higher rate on soils relatively fine textured or high in organic matter. Within two days of application 0.5 to 1.0 inch of irrigation or rainfall are needed incorporate and activate the herbicide. PHI not defined.

E/CS Data Requirements:

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING 5 RATES OF DUAL MAGNUM APPLIED PRE-EMERGENCE BROADCAST (ONE APPLIC OF 0.625, 1.25, 1.875, 2.5 AND 5.0 LB AI/A) AFTER SEEDING BUT PRIOR TO WEED OR CROP EMERGENCE, COMPARED WITH 4 RATES APPLIED EARLY POSTEMERGENCE (ONE APPLIC OF 0.625, 1.25, 1.875 AND 2.5 LB AI/A) WHEN CARINATA IS IN THE 3-6 LEAF STAGE, ALL IN AT LEAST 10 GPA; IN ORDER TO ACTIVATE THE HERBICIDE, AT LEAST 0.5 INCH OF WATER (RAIN AND/OR IRRIGATION) IS NEEDED WITHIN 2 DAYS AFTER APPLIC; EVALUATE CROP INJURY, WEED CONTROL AND CROP YIELD

IR-4 Residue Trial Plan: Any 4 (1 processing, maybe 2 since new)

Comments: X-ref with pr# 10971, but treat this as a new request (not a similar supporting request):05/23/sb; the MFG supports this request for the commercial product Dual Magnum and requires a letter of support from COI/CRO:5/23/sb; Syngenta supports this request as "Researchable, residue & e/cs data needed:06/23/sb; EPA GREEN: 08/23; the performance protocol was signed 1/3/24, so I have now updated the status to E/CS Data Ongoing. This will be updated to Res & E/CS ongoing once the residue protocol is signed:02/24/sb

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-GAP01 Culpepper, A. Stanley
24-NCP04 Leon, Ramon G



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13750	24-FLR11	A	WELKER	MESOTRIONE (SYNGEN,UPL NA)	SESAME	RAPESEED SUBGROUP (20A)

Reason for Need: Broadleaf weeds, specifically: amaranth sp., false ragweed, kochia, marestail, volunteer beans/peas; Currently sesame has few preemergent options, and all are labeled for 30-45 days preplant which does not work well in most systems. Mesotrione provides a preemerge option that can be applied close to or after planting and provides a new andw unique mode of action:08/23

Use Pattern: (PCR): Make one preplant or preemergence application at 1 to 6 fl oz/a to control troublesome broadleaf weeds; future efficacy and crop response trials should look at pre-plant applications as well (7 to 14 days).

E/CS Data Requirements:

E/CS Research Comments: PER THE 2024 PERFORMANCE PROTOCOL: TESTING MESOTRIONE TO SUPPORT REGISTRATION ON SESAME; ALL SITES WILL USE THE VARIETY 'S2431' PROVIDED BY SESACO; TEST 5 RATES OF CALLISTO (0.0625, 0.094, 0.125, 0.19, 0.25 LB AI/A) ALL APPLIED IN 10-60 GPA, USING 2 DIFFERENT TIMINGS (PREPLANT BROADCAST 7-10 DAYS BEFORE SEEDING, AND PREEMERGENCE BROADCAST AFTER SEEDING THE CROP BUT BEFORE CROP EMERGENCE); SEE PROTOCOL FOR MORE APPLIC REQUIREMENTS; EVALUATE CROP INJURY AND CROP YIELD; WEED CONTROL DATA ARE OPTIONAL

IR-4 Residue Trial Plan: Any 4 (processing)

Comments: Per PCR, Japan is an export market:02/24/sb; Per requester, currently registered preplant herbicides require long preplant intervals and mesotrione applied just prior to or immediately after seeding will be more useful:08/23; Mfg supports as "Researchable, Residue and E/CS data needed", and future efficacy and crop response trials should look at pre-plant applications as well (7 to 14 days):.08/23/sb; EPA Green 12/23; E/CS ongoing, status will be changed to "Residue ongoing, E/CS ongoing" once residue protocol is signed 02/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FL112 Long, Michael
24-GA*128 Fraelich, Ben
24-NC196 Smith, Stephen C
24-TX308 Cochran, Kim
(Processing)

24-CA78 Leach, Nathan



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13750	-NONE	A	BATTS	MESOTRIONE (SYNGEN,UPL NA)	SESAME	RAPESEED SUBGROUP (20A)
<p><u>Reason for Need:</u> Broadleaf weeds, specifically: amaranth sp., false ragweed, kochia, marestail, volunteer beans/peas; Currently sesame has few preemergent options, and all are labeled for 30-45 days preplant which does not work well in most systems. Mesotrione provides a preemerge option that can be applied close to or after planting and provides a new andw unique mode of action:08/23</p> <p><u>Use Pattern: (PCR):</u> Make one preplant or preemergence application at 1 to 6 fl oz/a to control troublesome broadleaf weeds; future efficacy and crop response trials should look at pre-plant applications as well (7 to 14 days).</p> <p><u>E/CS Data Requirements:</u></p> <p><u>E/CS Research Comments:</u> PER THE 2024 PERFORMANCE PROTOCOL: TESTING MESOTRIONE TO SUPPORT REGISTRATION ON SESAME; ALL SITES WILL USE THE VARIETY 'S2431' PROVIDED BY SESACO; TEST 5 RATES OF CALLISTO (0.0625, 0.094, 0.125, 0.19, 0.25 LB AI/A) ALL APPLIED IN 10-60 GPA, USING 2 DIFFERENT TIMINGS (PREPLANT BROADCAST 7-10 DAYS BEFORE SEEDING, AND PREEMERGENCE BROADCAST AFTER SEEDING THE CROP BUT BEFORE CROP EMERGENCE); SEE PROTOCOL FOR MORE APPLIC REQUIREMENTS; EVALUATE CROP INJURY AND CROP YIELD; WEED CONTROL DATA ARE OPTIONAL</p> <p><u>IR-4 Residue Trial Plan:</u> Any 4 (processing)</p> <p><u>Comments:</u> Per PCR, Japan is an export market:02/24/sb; Per requester, currently registered preplant herbicides require long preplant intervals and mesotrione applied just prior to or immediately after seeding will be more useful:08/23; Mfg supports as "Researchable, Residue and E/CS data needed", and future efficacy and crop response trials should look at pre-plant applications as well (7 to 14 days):.08/23/sb; EPA Green 12/23; E/CS ongoing, status will be changed to "Residue ongoing, E/CS ongoing" once residue protocol is signed 02/24/DRS;</p>						
<u>NER-EPA Region-FRD</u>		<u>NCR-EPA Region-FRD</u>		<u>SOR-EPA Region-FRD</u>		<u>WSR-EPA Region-FRD</u>
						<u>CANADA-EPA Region-FRD</u>
				24-TXP03 Baughman, Todd A (OK)		
				24-TXP01 Grichar, W. James		
				24-ARP03 Wright Smith, Hannah		



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P11951	-NONE	+	BATTS	PYROXASULFONE (KICHEM)	SESAME	RAPESEED SUBGROUP (20A)
<u>Reason for Need:</u> WEEDS SUCH AS PIGWEED, JOHNSONGRASS, MORNING GLORY, CRABGRASS, KOCHIA, HORSEWEED						
<u>Use Pattern: (PCR):</u> USE THE ZIDUA PRODUCT; MAKE 1 FOLIAR BROADCAST OVER-THE-TOP APPLIC OF 2 OZ/A; APPLY AT EARLY POSTEMERGENCE, WHEN SESAME IS AT 2-5 LEAF PAIRS STAGE (AT LESS THAN 2-LEAF PAIR STAGE HIGH LEVELS OF INJURY COULD OCCUR)						
<u>E/CS Data Requirements:</u> PER MFG REVIEW OF EXTENSIVE PERFORMANCE DATA, ONLY RESIDUE DATA ARE NEEDED:09/18; PER MFG, 3X RATE CROP SAFETY DATA ARE REQUIRED:07/20						
<u>E/CS Research Comments:</u> IN 2017 PERF. PROTOCOL, TESTING 2 RATES OF PYROXASULFONE 85WG APPLIED POSTEMERGENCE BROADCAST IN >5 GPA AT 3, 4, 5 WEEKS AFTER PLANTING; COLLECTING CROP INJURY AND YIELD DATA; IN 2022 PERF. PROTOCOL: TESTING 3 DIFFERENT RATES OF ZIDUA 4.17 SC (0.106, 0.212, 0.424 LB AI/A), IN >5 GPA, WITH EACH TREATMENT APPLIED AS A POSTEMERGENCE FOLIAR BROADCAST APPLIC, TIMED AT THE 3, 4, OR 5 LEAF PAIR CROP STAGE; EVALUATE CROP INJURY AND CROP YIELD (WEED CONTROL DATA ARE NOT REQUIRED); 2023 PERFORMANCE PROTOCOL MIRRORS THE PROTOCOL FOR 2022 TRIALS (SEE PROTOCOL FOR DETAILS)						
<u>IR-4 Residue Trial Plan:</u> ANY 4 TRIALS WHERE CROP IS GROWN, 1 PROCESSING TRIAL (OIL)						
<u>Comments:</u> JAPAN IS A KEY EXPORT MARKET; NEEDED TO CONTROL PROBLEM WEEDS AFTER SESAME EMERGENCE, BUT PRIOR TO WEED EMERGENCE (SEE PR# 11723 FOR PREEMERGENCE USE AT A LOWER RATE); MFG NEEDS TO SEE PERFORMANCE/CROP SAFETY OF OVER-THE-TOP BROADCAST EARLY POSTEMERGENCE APPLIC BEFORE APPROVAL FOR RESIDUE WORK:07/16; MFG SUPPORTS, RESIDUE AND E/CS DATA NEEDED:10/12/16; MFG DECIDED MORE E/CS DATA ARE NEEDED BEFORE RESIDUE TRIALS, SO 2017 RESIDUE STUDY WILL NOT BE CONDUCTED:11/4/16; MFG MADE RESEARCHABLE, AND THE E/CS COMPONENT MAY BE DELETED PENDING MFG REVIEW OF EXTENSIVE PERFORMANCE DATA AVAILABLE; THIS POSTEMERGE USE PATTERN CAN COVER THE PREEMERGE/LOWER RATE USE PATTERN IN PR# 11723:07/18; MFG IS OK WITH PERFORMANCE DATA, AND ONLY NEEDS RESIDUE DATA:09/18; AT 2018 FUW, BASF CONFIRMED THEY DO NOT SUPPORT THIS USE, AS THE MARKETING PARTNER:09/18; WAS REPLACED BY PR# 12640, PYROXASULFONE + FLUMIOXAZIN, VIA A PRIORITY UPGRADE PROPOSAL:10/18; MFG RE-EXAMINING IF THIS CAN BE SUPPORTED:06/20; MFG NOW SUPPORTS THIS REQUEST AS POTENTIAL, AND WILL REQUIRE 3X RATE CROP SAFETY DATA BEFORE MAKING A DECISION ABOUT SUPPORTING RESIDUE WORK:07/20; STATUS UPDATED TO RESEARCHABLE, E/CS ON-GOING; RESIDUE DATA NEEDED:10/22; EPA GREEN: 08/23						
<div><div><u>NER-EPA Region-FRD</u></div><div><u>NCR-EPA Region-FRD</u></div><div><u>SOR-EPA Region-FRD</u></div><div><u>WSR-EPA Region-FRD</u></div><div><u>CANADA-EPA Region-FRD</u></div></div>						
<div><div>24-TXP02</div><div>De La Fuente, Gerald</div></div>						



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13459	-	A	AXTELL	AFIDOPYROPEN (BASF)	SAFFLOWER	SUNFLOWER SUBGROUP (20B)
<p><u>Reason for Need:</u> LYGUS HESPERUS; CALIFORNIA SAFFLOWER GROWERS NEED THE ABILITY TO MANAGE LYGUS IN AN AREA WIDE IPM PROGRAM THAT INCLUDES SURROUNDING HIGH VALUE CROPS SUCH AS COTTON AND TOMATOES</p> <p><u>Use Pattern: (PCR):</u> FOLIAR APPLICATION AT 14 OZ/A, .0459375 LBS AI/A; 2 APPLICATIONS WITH A SEVEN DAY RETREATMETNN INTERVAL AND A PHI OF 14 DAYS; APPLY TO SAFFLOWER FOLIAGE IN 5-10 GALLONS OF WATER BY AIR OR BY GROUOND; DO NOT APPLY MORE THAN 28 FL OZ/A PER GROWING SEASON; BASF RECOMMENDS A PHI OF 7 DAYS:09/22</p> <p><u>E/CS Data Requirements:</u> BASF REQUIRES BOTH E AND CS DATA FROM AT LEAST 4 TRIALS IN CA TO SECURE CA REGISTRATION. BASF WILL PAY 50% FOR THE TRIALS</p> <p><u>E/CS Research Comments:</u> IN 2023 PERFORMANCE PROTOCOL: TESTING WESTERN TARNISHED PLANT BUG CONTROL (AND OTHER PESTS IF THEY OCCUR) WITH AFIDOPYROPEN (SEFINA INSCALIS INSECTICIDE) ALONE AT 28 FL OZ/A, VS A COMBINATION OF SEVINA WITH NOVALURON (SEVINA AT 10 AND 14 FL OZ/A + 12 OZ OF NOVALURON), VS FLONICAMID + NOVALURON; ALSO INCLUDED IS A COMPARISON WITH ISOCYCLOSERAM (PLINAZOLIN SC400 - PR# 13496) AT 2.06 FL OZ/A; WITH ALL TRMTS EXCEPT SEFINA ALONE, INCLUDE A LABEL RATE OF A NON-IONIC ADJUVANT; MAKE 2 APPLIC OF EACH TRMT, 7-DAY INTERVAL, WITH FIRST APPLIC IN MID-TO-LATE MAY WHEN PESTS FIRST APPEAR; EVALUATE PEST CONTROL VIA SWEEP NET SAMPLING, AND CROP INJURY</p> <p><u>IR-4 Residue Trial Plan:</u> 5-3 7-4 8; 1DECLINE (ON SUNFLOWER)</p> <p><u>Comments:</u> BASF SUGGESTS TO CONDUCT TRIALS ON SUNFLOWER AS IT IS THE REP CROP FOR OILSEEDS SUB-GROUP 20B; PLEASE SEE PR# 13537, IT WAS CREATED TO USE SUNFLOWER AS THE CROP TO GET THE ENTIRE CROP GROUP WHICH INCLUDES SAFFLOWER:10/22; E/CS WORK FOR P#13496 IS BEING CAPTURED WITHIN THIS STUDY:12/22</p>						
<u>NER-EPA Region-FRD</u>		<u>NCR-EPA Region-FRD</u>		<u>SOR-EPA Region-FRD</u>		<u>WSR-EPA Region-FRD</u>
						<u>CANADA-EPA Region-FRD</u>
						24-CAP12 Clark, Nicholas



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13499	-	+	BATTS	GLUFOSINATE (BASF,UPL NA)	ASPARAGUS	STALK AND STEM VEGETABLE SUBGROUP (22A)

Reason for Need: BROADLEAF AND GRASSES (MAINLY TO CONTROL GLYPHOSATE AND ALS RESISTANT PIGWEED SPP.; REDROOT PIGWEED AND POWELL AMARANTH ONE OF THE MAJOR WEEDS IN ASPARAGUS AND HARD TO CONTROL ESPECIALLY WHEN RESISTANT (ALS AND GLYPHOSATE) BIOTYPES ARE PRESET. GLUFOSINATE WILL HELP TO MANAGE VARIOUS BROADLEAF AND GRASSES WEEDS INCLUDING PIGWEED SPP. PROVIDE IMPROVED WEED CONTROL COMPARED TO CARFENTRAZON;

Use Pattern: (PCR): DOSAGE RATE: 0.53 LB AI/A, FOLIAR APPLICATION, ONE APPLICATION ONLY AS POST HARVEST, APPLY IMMEDIATELY AFTER LAST HARVEST OF ASPARAGUS

E/CS Data Requirements:

E/CS Research Comments: IN 2023 PERFORMANCE PROTOCOL, CONDUCTING TRIALS TO ASSESS CROP SAFETY AFTER APPLICATIONS FOLLOWING THE LAST HARVEST OF SPEARS; IF THE GLUFOSINATE TREATMENTS NEGATIVELY IMPACT SPEARS OR FERNS, THE SAME PLOTS WILL RECEIVE THE SAME TREATMENTS AGAIN IN YEAR 2; IF THERE ARE NO NEGATIVE IMPACTS, A 2ND YEAR OF TRIALS WILL NOT BE NEEDED; TEST 3 RATES OF RELY 280 (0.53, 0.79, 1.59 LB AI/A IN AT LEAST 15 GPA; OPTIONALLY INCLUDE A 4TH RATE OF RELY 280: 2.34 LB AI/A); MAKE ONE POSTEMERGENCE BROADCAST APPLIC ONE DAY AFTER CLEAR CUTTING OF EMERGED SPEARS; COMPARE VS A WEED-FREE CONTROL, GLYPHOSATE STANDARD AND OPTIONALLY A CONTACT HERBICIDE STANDARD; SEE PROTOCOL FOR MORE USE PATTERN REQUIREMENTS; EVALUATE CROP INJURY AND CROP VIGOR

IR-4 Residue Trial Plan:

Comments: THIS POST-HARVEST APPLICATION IS REGISTERED FOR USE IN CANADA. HOWEVER, IT WAS GRANDFATHERED IN AND BASF IS LOOKING FOR DATA ON THIS USE; APPLICATION MUST BE MADE BETWEEN THE TIME BETWEEN THE FEW HARVESTABLE EMERGED SPEARS AND BEFORE THE SPEARS TO BE FERNS EMERGE; EPA HOLD CAUTION:08/23

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-CAP04 Hanson, Brad



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
13026	23-CAR13	A	DINEEN	INDAZIFLAM (BAYER)	ASPARAGUS	STALK AND STEM VEGETABLE SUBGROUP (22A)

Reason for Need: COPIED FROM PR# 11429; ANNUAL WEEDS; DIFFERENT MODE OF ACTION TO AVOID WEED RESISTANCE; CONTROL OF RESISTANT BROADLEAVES; HQ CREATED THIS NEW PR# TO ALLOW FOR RE-PRIORITIZING THIS NEED WITH A REVISED USE PATTERN COMPARED WITH PR# 11429:07/20

Use Pattern: (PCR): FROM PR# 11429: 0.065-0.085 LB AI/A OF ALION PRODUCT; ONE PREEMERGENCE (TO THE CROP) APPLIC PER YEAR; 7-DAY PHI; APPLY TO CLEAN SOIL BEFORE ASPARAGUS EMERGES IN THE SPRING; BUT THIS PRE-EMERGE USE PATTERN IS NOT SUPPORTED DUE TO PHYTO CONCERNS; REVISED USE PATTERN IS FOR A 30-DAY PHI OR POST HARVEST APPLIC

E/CS Data Requirements: BAYER INDICATES THE NEED FOR E/CS TRIALS CONDUCTED AT A 2X SAFETY FACTOR AND FOR 3 CONSECUTIVE YEARS:06/20

E/CS Research Comments: IN THE PERFORMANCE PROTOCOL FOR 2021 TRIALS: TESTING PRODUCT PERFORMANCE ON THE SAME PLOTS OVER A 3-YR PERIOD, WITH TRIALS CONDUCTED ON SOILS WITH UP TO 1% ORGANIC MATTER AND ON SOILS WITH >1% ORGANIC MATTER; TESTING 2 RATES OF ALION 1.67 SC (DIFFERENT RATES ON EACH SOIL TYPE), APPLIED BROADCAST PREEMERGENCE, 30 DAYS PRIOR TO FIRST COMMERCIAL SPEAR HARVEST, IN AT LEAST 10 GPA; SEE PROTOCOL FOR MORE APPLIC REQUIREMENTS; EVALUATE CROP INJURY, WEED CONTROL AND CROP YIELD; THE PERFORMANCE PROTOCOL FOR 2022 IS FOR YEAR 2 OF THE TRIALS STARTED IN 2021; THE 2023 PERFORMANCE PROTOCOL IS FOR YEAR 3 OF TRIALS ON THE SAME PLOTS STARTED IN 2021

IR-4 Residue Trial Plan: 2 5-2 10-2 11; 2 Red A trials one in reg 2 & one in Reg 5 needed for 2024 season. (No Decline Needed).

Comments: SEE E/CS DATA REQUIREMENTS FOR NEW BAYER ASSESSMENT; STATUS CHANGED TO POTENTIAL:06/20; RELATED PR# 11429, SUBMITTED 2/23/14, WAS AN "A" PRIORITY IN 2015 AND RESIDUE STUDY WAS CANCELED IN 2020 BASED ON PHYTOTOXICITY; ADDITIONAL CROP SAFETY TRIALS WITH LONGER PHI APPEAR PROMISING; REVISED USE PATTERN IS FOR 30 DAY PHI OR POST HARVEST APPLIC; THIS PR# WAS CREATED TO ALLOW CONSIDERATION OF A NEW STUDY TO SUPPORT A USE PATTERN THAT IS SAFE:07/20; CATEGORY OF POTENTIAL: E/CS DATA BEFORE APPROVAL FOR RESIDUE CHANGED TO E/CS DATA ON-GOING:02/21; LAT PROJECT STATUS CHANGE:09/22; STATUS UPDATED TO RESEARCHABLE, E/CS ON-GOING; RESIDUE DATA NEEDED:10/22; Canada no longer coworking and 2 trials needed for 2024: 10/23, JPB.

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-MI164 Soldan, Nicole
24-WI344 Heider, Daniel J.

24-NC177 Smith, Stephen C
(plots to be stacked with 13489.23-NC190



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13489	-NONE	A	PATEL	FLUDIOXONIL + PYDIFLUMETOFEN (SYNGEN)	ASPARAGUS (FERN)	STALK AND STEM VEGETABLE SUBGROUP (22A)

Reason for Need: STEMPHYLIUM VESICARIUM; CURRENT FUNGICIDES INCLUDE THE PROTECTANTS AND THE STROBILURINS WHICH ARE NOT ADEQUATE AND DO NOT PROVIDE LONG-LASTING PROTECTION;

Use Pattern: (PCR): MIRAVIS PRIME SC, DOSAGE 11.4 FL OZ/A, FOLIAR APPLICATION, 5 APPLICATIONS, RTI 14 DAYS, PHI 7 MONTHS; APPLY AS A FOLIAR SPRAY

E/CS Data Requirements: Syngenta advised no add'l efficacy trials are needed:01/24/sb

E/CS Research Comments: SEE PR#13493 FOR PROTOCOL/DETAILS OF TESTING MERIVON XEMIIUM (FLUXAPYROXAD + PYRACLOSTROBIN) AND MIRAVIS PRIME (FLUDIOXONIL + PYDIFLUMETOFEN) FOR PURPLE SPOT CONTROL; Syngenta does not need anything beyond the 2 IR-4 efficacy trials already provided to them:01/24/sb

IR-4 Residue Trial Plan: 2 5-2 10-2 11

Comments: THE PERFORMANCE PROTOCOL FOR THIS PR# IS ASSOCIATED WITH PR# 13493 RESULTS FROM THE PROTOCOL WILL BE POSTED TO BOTH PR#'S: 03/23, JPB;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-MIP07 Hausbeck, Dr. Mary K.



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13614	-	+	AXTELL	NOVALURON (ADAMA,UPL NA)	CELERY	LEAF PETIOLE VEGETABLE SUBGROUP (22B)

Reason for Need: WEEVILS. LISTRONOTUS SPARSUS IS A WEEVIL THAT HAS EMERGED AS A PEST OF CELERY IN FLORIDA. OXAMYL (VYDATE, HIGHLY HAZARDOUS) HAS BEEN USED TO MAINTAIN POPULATIONS BELOW DAMAGING LEVELS. CYANTRANILIPROLE (EXIREL) MIGHT REPRESENT AN ALTERNATIVE TO OXAMYL. HOWEVER, EFFICACY HAS NOT BEEN CONFIRMED. THUS, THE USE OF NOVALURON WOULD PROVIDE A SAFE ALTERNATIVE TO OXAMYL FOR CONTROL OF WEEVILS. THE AVAILABILITY OF MULTIPLE MODES OF ACTION WOULD ALLOW THE MITIGATION OF POTENTIAL INSECTICIDE RESISTANCE:03/23

Use Pattern: (PCR):

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 3-2 5 10-5

Comments: EPA GREEN: 08/23; Mfg supports as 'Potential: E/CS Data Before Approval For Residue:08/23/sb

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FLP13 Beuzelin, Julien

24-FLP18 Beuzelin, Julien



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13740	24-CAR19	A	BYRTUS	CLETHODIM (ADAMA,UPL NA,VALENT)	FIG	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, EDIBLE PEEL SUBGROUP (23B)

Reason for Need: weeds and annual grasses; Industry currently lacks effective herbicides for weed control:08/23

Use Pattern: (PCR): Make up to four applications per year at 9 to 16 fl oz/a. Applications should be at least 14 days apart. Do not apply within 14 days of harvest. Do not apply more than 64 fl oz/a/year.

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: Any 4 (processing)

Comments: Mfg will support as "Researchable, Only Residue Data Needed:08/23/sb; EPA Green 12/23;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-CA67 Ennes, D. (Kearney)
(processing)(dried)
24-CA65 Watkins, S.
24-CA66 Watkins, S.
24-CA68 Skiles, Keri



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13744	24-CAR20	A	WELKER	FLUOPYRAM (BAYER)	FIG	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, EDIBLE PEEL SUBGROUP (23B)

Reason for Need: Nematodes; Industry currently lacks effective insecticides to combat nematodes:08/23; CA/It may also help in reducing fungal diseases caused by Fusarium and/or Alternaria:08/23

Use Pattern: (PCR): As directed by the MFG; PHI = 7 days;

E/CS Data Requirements: Bayer requires 1 crop safety data and recommends drip application with sufficient water to move the product into the soil:09/23; as of 1/9/24, Bayer required 3 E/CS trials:01/24/sb

E/CS Research Comments:

IR-4 Residue Trial Plan: Any 4 (processing)

Comments: Mfg supports as Researchable, Residue & E/cs Data Needed and will require 1 crop safety data and recommends drip application with sufficient water to move the product into the soil. 09/23; EPA Green 12/23;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-CA77 Skiles, Keri
24-CA74 Watkins, S.
24-CA75 Watkins, S.
24-CA76 Ennes, D. (Kearney)
(processing)(dried)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13744	-	A	PATEL	FLUOPYRAM (BAYER)	FIG	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, EDIBLE PEEL SUBGROUP (23B)

Reason for Need: Nematodes; Industry currently lacks effective insecticides to combat nematodes:08/23; CA/It may also help in reducing fungal diseases caused by Fusarium and/or Alternaria:08/23

Use Pattern: (PCR): As directed by the MFG; PHI = 7 days;

E/CS Data Requirements: Bayer requires 1 crop safety data and recommends drip application with sufficient water to move the product into the soil:09/23; as of 1/9/24, Bayer required 3 E/CS trials:01/24/sb

E/CS Research Comments:

IR-4 Residue Trial Plan: Any 4 (processing)

Comments: Mfg supports as Researchable, Residue & E/cs Data Needed and will require 1 crop safety data and recommends drip application with sufficient water to move the product into the soil. 09/23; EPA Green 12/23;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-CAP20 Becker, J.O.



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
13776	24-FLR12	A	WELKER	FLUDIOXONIL + PYDIFLUMETOFEN (SYNGEN)	GUAVA	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, EDIBLE PEEL SUBGROUP (23B)

Reason for Need: Colletotrichum, Alternaria, Pestalotiopsis, Cephaleuros (algae); Guava acreage is increasing, there are few active ingredients labeled which do not cover the extended fruiting season of this crop (~5-6 months from flowering) - two harvests per year. There is a need for a different FRAC that can be use in a rotation program:09/23

Use Pattern: (PCR): Use Miravis Prime; 3.4 fl oz/A; Foliar spray; 8 applications; RTI: 14 days; PHI:30 days; Syngenta would support 13.4 fl oz/A (not 3.4 fl oz/A) at total of 2 (not 8 applications) foliar applications, 14-day RTI and 30-day PHI for Alternaria control. There would need to be efficacy data provided for this crop if registration is needed in CA. And, If the DFU's match, Syngenta already has a tolerance established for fludioxonil on guava for 5.0 ppm (IR-4 study 07127 where applications of Switch 62.5 WG were applied 4X at 0.219 lb FDL/A. There are RTIs at 7 days, 21 days, and 7 days between each application and a PHI of 0 days):09/23

E/CS Data Requirements:

E/CS Research Comments: IN THE PERFORMANCE PROTOCOL FOR 2024: EVALUATING PRODUCT PERFORMANCE ON COMMERCIAL VARIETIES SUSCEPTIBLE TO PESTALOTIOPSIS/COLLETOTRICHUM IN GUAVA; TESTING FOLIAR APPLIC OF 13.4 FL OZ/A OF MIRAVIS PRIME (PYDIFLUMETOFEN + FLUDIOXONIL) VS THE LABELED STANDARD AZOXYSTROBIN (APPLIED PER LABEL DIRECTIONS); MAKE 2 FOLIAR APPLIC, WITH 1ST APPLIC BEFORE DISEASE DEVELOPMENT, AND 2ND APPLIC 14 DAYS LATER, 30-DAY PHI; EVALUATE FRUIT DISEASE SEVERITY AND INCIDENCE, AS WELL AS FRUIT AND FOLIAGE INJURY

IR-4 Residue Trial Plan: ANY 4

Comments: Mfg supports as "Researchable, Residue & E/CS Data Needed", with data needed on colletotrichum, algae & pestalotiopsis, and If the DFU's match, Syngenta already has a tolerance established for fludioxonil on guava for 5.0 ppm (IR-4 study 07127 where applications of Switch 62.5 WG were applied 4X at 0.219 lb FDL/A. There are RTIs at 7 days, 21 days, and 7 days between each application and a PHI of 0 days):09/23; EPA 13776, 12/23; E/CS ongoing, status will be changed to "Residue ongoing; E/CS ongoing" once the residue protocol is signed 02/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FL115 Seregin, Vladimir V
24-FL116 Seregin, Vladimir V
24-PR285 Robles Vazquez, W.

24-HI136 Kam, James



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13776	-NONE	A	PATEL	FLUDIOXONIL + PYDIFLUMETOFEN (SYNGEN)	GUAVA	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, EDIBLE PEEL SUBGROUP (23B)

Reason for Need: Colletotrichum, Alternaria, Pestalotiopsis, Cephaleuros (algae); Guava acreage is increasing, there are few active ingredients labeled which do not cover the extended fruiting season of this crop (~5-6 months from flowering) - two harvests per year. There is a need for a different FRAC that can be use in a rotation program:09/23

Use Pattern: (PCR): Use Miravis Prime; 3.4 fl oz/A; Foliar spray; 8 applications; RTI: 14 days; PHI:30 days; Syngenta would support 13.4 fl oz/A (not 3.4 fl oz/A) at total of 2 (not 8 applications) foliar applications, 14-day RTI and 30-day PHI for Alternaria control. There would need to be efficacy data provided for this crop if registration is needed in CA. And, If the DFU's match, Syngenta already has a tolerance established for fludioxonil on guava for 5.0 ppm (IR-4 study 07127 where applications of Switch 62.5 WG were applied 4X at 0.219 lb FDL/A. There are RTIs at 7 days, 21 days, and 7 days between each application and a PHI of 0 days):09/23

E/CS Data Requirements:

E/CS Research Comments: IN THE PERFORMANCE PROTOCOL FOR 2024: EVALUATING PRODUCT PERFORMANCE ON COMMERCIAL VARIETIES SUSCEPTIBLE TO PESTALOTIOPSIS/COLLETOTRICHUM IN GUAVA; TESTING FOLIAR APPLIC OF 13.4 FL OZ/A OF MIRAVIS PRIME (PYDIFLUMETOFEN + FLUDIOXONIL) VS THE LABELED STANDARD AZOXYSTROBIN (APPLIED PER LABEL DIRECTIONS); MAKE 2 FOLIAR APPLIC, WITH 1ST APPLIC BEFORE DISEASE DEVELOPMENT, AND 2ND APPLIC 14 DAYS LATER, 30-DAY PHI; EVALUATE FRUIT DISEASE SEVERITY AND INCIDENCE, AS WELL AS FRUIT AND FOLIAGE INJURY

IR-4 Residue Trial Plan: ANY 4

Comments: Mfg supports as "Researchable, Residue & E/CS Data Needed", with data needed on colletotrichum, algae & pestalotiopsis, and If the DFU's match, Syngenta already has a tolerance established for fludioxonil on guava for 5.0 ppm (IR-4 study 07127 where applications of Switch 62.5 WG were applied 4X at 0.219 lb FDL/A. There are RTIs at 7 days, 21 days, and 7 days between each application and a PHI of 0 days):09/23; EPA 13776, 12/23; E/CS ongoing, status will be changed to "Residue ongoing; E/CS ongoing" once the residue protocol is signed 02/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FLP17 Gazis, Dr. Romina



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
08266	24-FLR02	A	PIKE	PYRIDABEN (GOWAN)	LYCHEE	TROPICAL AND SUBTROPICAL, SMALL FRUIT, INEDIBLE PEEL SUBGROUP (24A)

Reason for Need: MITES, WHITEFLIES, MEALY BUGS, LYCHEE RUST MITE

Use Pattern: (PCR):

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: Any 4

Comments: MFG OK FOR MITES & WHITEFLIES; NEED EFFICACY DATA ON MEALY BUGS:06/02; MFG HOLD:05/05; AI IS IN REG. REVIEW WITH EXPECTED COMPLETION IN 2018; NEW USES ON-HOLD UNTIL REG REVIEW IS COMPLETED:07/14; MFG DOES NOT SUPPORT:07/17; PROJECT STATUS CHANGED FROM "MFG WILL NOT SUPPORT" TO "RESEARCHABLE" AFTER CONFIRMATION FROM GOWAN:02/22; EPA GREEN: 08/22; YELLOW 08/23; Status changed from "Researchable, Residue and E/CS data needed" to "Complete with ongoing trials" until performance protocol is signed 02.24.DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FL91 Seregin, Vladimir V

(Reg 13)

24-FL92 Seregin, Vladimir V

(Reg 13)

24-PR278 Robles Vazquez, W.

24-HI129 Zhang, Zhening



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P8266	-NONE	A	AXTELL	PYRIDABEN (GOWAN)	LYCHEE	TROPICAL AND SUBTROPICAL, SMALL FRUIT, INEDIBLE PEEL SUBGROUP (24A)

Reason for Need: MITES, WHITEFLIES, MEALY BUGS, LYCHEE RUST MITE

Use Pattern: (PCR):

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: Any 4

Comments: MFG OK FOR MITES & WHITEFLIES; NEED EFFICACY DATA ON MEALY BUGS:06/02; MFG HOLD:05/05; AI IS IN REG. REVIEW WITH EXPECTED COMPLETION IN 2018; NEW USES ON-HOLD UNTIL REG REVIEW IS COMPLETED:07/14; MFG DOES NOT SUPPORT:07/17; PROJECT STATUS CHANGED FROM "MFG WILL NOT SUPPORT" TO "RESEARCHABLE" AFTER CONFIRMATION FROM GOWAN:02/22; EPA GREEN: 08/22; YELLOW 08/23; Status changed from "Researchable, Residue and E/CS data needed" to "Complete with ongoing trials" until performance protocol is signed 02.24.DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FLP05 Carrillo, D.

24-HIP01 Zhang, Zhening



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13533	23-CAR06	A	BYRTUS	CLETHODIM (ADAMA,UPL NA,VALENT)	AVOCADO	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, SMOOTH, INEDIBLE PEEL SUBGROUP (24B)

Reason for Need: WEED CONTROL AND CROP SAFETY

Use Pattern: (PCR):

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: UP TO 3 TRIALS IN 13 AND A MINIMUM OF 2 TRIALS IN 10; NEED A TOTAL OF 5 TRIALS;1 DECLINE

Comments: PLEASE SEE PR# XH 598

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-CA367 Leach, Nathan
(repl of 23-CA81 that did not start, no ad)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13771	24-TIR06	A	DINEEN	DIFENOCONAZOLE + AZOXYSTROBIN (SYNGEN)	AVOCADO	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, SMOOTH, INEDIBLE PEEL SUBGROUP (24B)

Reason for Need: anthracnose; Limits on copper use and limited alternatives, needed for resistance management

Use Pattern: (PCR): Apply Quadris Top as a foliar spray up to 4 times at 12-14 fl oz/A every 7-10 days; PHI = 0 days

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: UP TO 3 TRIALS IN 13 AND A MINIMUM OF 2 TRIALS IN 10; NEED A TOTAL OF 5 TRIALS;1 DECLINE

Comments: Mfg supports as "Potential: E/CS Data Before Approval for Residue:08/23; EPA Hold Caution at 2023 FUW:09/23/sb; Syngenta will now support for Res & E/CS concurrently, so the category has been updated from Potential: E/CS Data before Approval For Res, to Researchable, Residue & E/CS Data Needed, and IR-4 has approved both Res & E/CS to move forward in 2024, and the Priority has been changed from H to A:02/24/sb

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FL93	Seregin, Vladimir V	24-CA06	Leach, Nathan
24-PR279	Robles Vazquez, W.	24-CA07	Leach, Nathan
(decline)			
24-PR280	Robles Vazquez, W.		



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13484	23-CAR16	A	WELKER	RIMSULFURON (CORTEVA)	AVOCADO	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, SMOOTH, INEDIBLE PEEL SUBGROUP (24B)

Reason for Need: WIDE RANGE OF GRASSES AND BROADLEAF WEEDS SUCH AS MARE'S TAIL, HAIRY FLEABANE, RUSSIAN THISTLE, TUMBLE PIGWEED, CHEESE WEED STINGING NETTLE, ETC; CURRENTLY ONLY PREEMERGENT HERBICIDE FOR BEARING AVOCADO IS SIMAZINE WHICH HAS SIGNIFICANT GROUND WATER PROTECTION ISSUES; ADDITIONALLY, FOR RESISTANCE MANAGEMENT, ADDITIONAL HERBICIDES ARE NEEDED; HUGE NEED FOR NEW PRODUCTS IN AVOCADOS

Use Pattern: (PCR): MATRIX SG; DOSAGE 4 OZ/A, 2 APPLIC/YEAR AS A BANDED TREATMENT PREEMERGENCE OR POST EMERGENCE AT 4 OZ OF PRODUCT RATE/A, AT 50% BANDING OR LESS; RTI 30 DAYS FOR BANDED TREATMENT, EXCEPT FOR BELOW NUTSEDGE WHICH IS 14 DAYS, PHI 3 DAYS

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: up to 3 trials in 13 and a minimum of 2 trials in 10. need a total of 5 trials

Comments: DMP REC'D & POSTED UNDER XH567:04/21; NEW PCR REC'D & PR# CONVERTED:07/22

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-CA368 Leach, Nathan
(repl of 23-CA49, no add'l \$)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13222	-NONE	+	AXTELL	FLUAZAINDOLIZINE (CORTEVA)	BANANA	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, SMOOTH, INEDIBLE PEEL SUBGROUP (24B)
<u>Reason for Need:</u> PLANT PARASITIC NEMATODES RADOPHOLUS SIMILIS, PRATYLENCHUS COFFEAE, HELICOTYLENCHUS MULTICINCTUS, MELOIDOGYNE INCOGNITA, ROTYLENCHULUS RENIFORMIS; LACK OF AVAILABLE PRODUCTS FOR NEMATODE MANAGEMENT						
<u>Use Pattern: (PCR):</u> SALIBRO, 1 LB. AI/A, 2 APPLICATIONS, MAKE FIRST APPLICATION TO SOIL INCORPORATED PRIOR TRANSPLANT. SECOND APPLICATION SOIL DIRECTED POST PLANTING; PHI OF 72 DAYS;						
<u>E/CS Data Requirements:</u> Corteva is looking for another year of efficacy data in 2024:08/23						
<u>E/CS Research Comments:</u> IN THE 2022 PERFORMANCE PROTOCOL: TESTING 3 RATES OF THE SALIBRO PRODUCT (15.4, 30.7, 61.4 FL OZ/A), ALSO KNOWN AS REKLEMEL™ SC, FOR NEMATODE CONTROL ON BANANA VARIETIES SUSCEPTIBLE TO NEMATODES, COMPARED WITH A VYDATE STANDARD; APPLY REKLEMEL TO THE SOIL AROUND REPLANTED DAUGHTER STEMS AT PLANTING AND AGAIN 4-8 WEEKS AFTER PLANTING OR IN SYNCHRONY WITH ROOT GROWTH AND THE PRECIPITATION SEASON; EVALUATE EFFICACY AND CROP INJURY; YIELD DATA ARE OPTIONAL						
<u>IR-4 Residue Trial Plan:</u> 3 13-4						
<u>Comments:</u> Mfg supports as "Potential: E/CS Data Before Approval for Residue Study". STATUS UPDATED TO RESEARCHABLE, E/CS ON-GOING; RESIDUE DATA NEEDED:10/22; Status updated to "E/CS Data on-going" based on 2022 E/CS signed protocol:10/23/sb						
<u>NER-EPA Region-FRD</u>	<u>NCR-EPA Region-FRD</u>	<u>SOR-EPA Region-FRD</u>	<u>WSR-EPA Region-FRD</u>	<u>CANADA-EPA Region-FRD</u>		
		24-PRP01	Robles Vazquez, W.			



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13331	-	+	BATTS	FLORPYRAUXIFEN-BENZYL (CORTEVA)	POMEGRANATE	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, SMOOTH, INEDIBLE PEEL SUBGROUP (24B)

Reason for Need: BROADLEAF WEEDS AND SEDGES; FEW REGISTERED HERBICIDES, CHALLENGES WITH GLYPHOSATE RESISTANT WEEDS

Use Pattern: (PCR): RINSKOR, 0.026 TO 0.053 LB AI/A; POST EMERGENCE TO WEEDS, 3 APPLICATIONS, RETREATMENT INTREVAL OF 30 DAYS; BANDED APPLICATION DIRECTED TO THE BASE OF TREES; 3 APPLICATIONS WITH A RE-TREATMENT INTERVAL OF 30 DAYS; MINIMIZE TREATMENT TO CROP FOLIAGE - SUCKER DAMAGE POSSIBLE;

E/CS Data Requirements: Need 2 years of satisfactory data from at least two sites and at least 2X rate: 6/23 JPB;

E/CS Research Comments: PER 2024 PERFORMANCE PROTOCOL: TRIAL(S) BEING CONDUCTED WILL BE FOR 2 YEARS, WITH APPLIC MADE TO THE SAME PLOTS EACH YEAR; MAKE 3 APPLIC OF EACH OF 3 TREATMENTS (0.026, 0.036, 0.072 LB AI/A, POST DIRECTED TO THE ORCHARD FLOOR AND ACROSS LOWER TREE TRUNKS USING AN UNSHIELDED SPRAYER, IN 20 GPA) OF GF-3206 EACH YEAR, ON THE SAME PLOTS (SEE PROTOCOL FOR MORE DETAILS OF APPLIC RATES, TIMING, ETC.); EVALUATE CROP INJURY AND WEED CONTROL (CROP YIELD DATA ARE OPTIONAL)

IR-4 Residue Trial Plan: 3 10-3

Comments: RINSKOR HERBICIDE; FROM 8/21, CORTEVA WILL CONSIDER RESEARCHABLE, E/CS DATA ONLY:08/24/sb, EPA GREEN: 08/23; PCR INDICATED EXPORT "LIKELY" AND WE NOW HAVE AN EMAIL REQUEST FOR A RESIDUE STUDY FOR EXPORT PURPOSES, SO THE ORIIG PCR WAS FORWARDED TO CORTEVA FOR THE ADD'L REQUEST:02/24/sb; Corteva has a CODEX submission to request tolerance waivers for Rinkor™ herbicide & the CODEX decision is due in mid-2025. They suggest holding on a residue study until they hear back from CODEX:02/24/sb

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-CAP02 Hanson, Brad



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13514	-	+	PATEL	PENTHIOPYRAD (CORTEVA)	POMEGRANATE	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, SMOOTH, INEDIBLE PEEL SUBGROUP (24B)

Reason for Need: ALTERNARIA, IN-FIELD TREATMENT PRIOR TO POST HARVEST FOR BOTRYTIS MANAGEMENT

Use Pattern: (PCR): FONTELIS; FOLIAR APPLICATION, 24 (0.3 LBS AI)/A, UPTO 3 APPLICATIONS, RTI 10 DAYS, 1 DAY PHI; USE FONTELIS (20% PENTHIOPYRAD) LIQUID, USE 80-200 GALLONS OF WATER PER ACRE, USE ADJUVANT AT LABELED RATE; FOR STEWARDSHIP PURPOSE, CORTEVA WOULD NEED TO SEE A TRIAL WITH A NON-TREATED, 1X, 2X RATES APPLIED AS IT WOULD BE LABELED FOR THE MAXIMUM USE RATE AND NUMBER OF APPLICATIONS AS WELL AS THE FINAL PHI, WITH 3, 7, 14, AND 21 DAY EVALUATIONS FOR INJURY AFTER EACH APPLICATION.

E/CS Data Requirements:

E/CS Research Comments: IN THE 2023 PERFORMANCE PROTOCOL: EVALUATING PRODUCT PERFORMANCE/CROP SAFETY ON COMMERCIAL VARIETIES SUSCEPTIBLE TO BLACK HEART; TESTING 1 RATE OF FONTELIS, 24 FL OZ PRODUCT/A, IN 50-250 GPA, APPLIED FOLIAR DIRECTED 3 TIMES (AT BLOOM, PETAL FALL, AND 2 WEEKS AFTER PETAL FALL), VS MERIVON AS A STANDARD AT THE SAME TIMING; A NON-IONIC SURFACTANT (NIS) SHOULD BE INCLUDED AT A 0.0625% V/V RATE; EVALUATE HARVESTED FRUIT FOR INCIDENCE OF BLACK HEART; EVALUATE CROP SAFETY BY FOLIAR, BLOSSOM AND FRUIT ASSESSMENTS

IR-4 Residue Trial Plan:

Comments: WITH AVOCADO (13075) AND BANANA (11307) IN EPA REGISTRATION FOR 2023, POMEGRANATE SHOULD BE ADDED AS A PART OF CROP SUBGROUP 24B; CROP GROUP SUPPORTED BY REGISTRANT PER COMMUNICATION IN AUGUST 2022 AND WOULD ALSO ADDRESS MANGO (12997)

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-CAP15 Michailides, T.



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13665	24-FLR08	A	DINEEN	FLUAZAINDOLIZINE (CORTEVA)	PINEAPPLE	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, ROUGH OR HAIRY, INEDIBLE PEEL SUBGROUP (24C)

Reason for Need: Reniform nematodes, Root Knot nematodes, Root Lesion nematodes. Control nematodes at planting in during crop cycle; Need effective non-fumigant nematicides to replace soil fumigant product currently in use to control nematodes. Soil fumigant use is limited to pre-plant only. Need nematode control during the crop cycle in addition to pre-plant use:07/23; Requester further identified the following nematode species: Rotylenchus reniformis, Meloidogyne spp., and Pratylenchus spp:07/23

Use Pattern: (PCR): Rate: 30.7 fl oz/A to 61.4 fl oz/A; Type of Application: Pre-plant incorporated or broadcast followed by soil incorporated or chemigation; Prefer to include both Pre-plant and In-crop applications; 2 applications; RTI: Minimum 14 days

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 13-5 (per ChemSAC 11/10/2010) (decline & processing)

Comments: Mfg supported at the 2023 FUW as Researchable, Residue & E/CS Data Needed:09/23/sb; EPA Orange, 12/23;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-PR283 Robles Vazquez, W.

24-PR284 Robles Vazquez, W.

(Decline)

24-HI134 Coughlin, Julie

24-HI135 Zhang, Zhening

24-HI133 Zhang, Zhening

(processing by Julie paid for in this trial w



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13665	-NONE	A	PATEL	FLUAZAINDOLIZINE (CORTEVA)	PINEAPPLE	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, ROUGH OR HAIRY, INEDIBLE PEEL SUBGROUP (24C)

Reason for Need: Reniform nematodes, Root Knot nematodes, Root Lesion nematodes. Control nematodes at planting in during crop cycle; Need effective non-fumigant nematicides to replace soil fumigant product currently in use to control nematodes. Soil fumigant use is limited to pre-plant only. Need nematode control during the crop cycle in addition to pre-plant use:07/23; Requester further identified the following nematode species: Rotylenchus reniformis, Meloidogyne spp., and Pratylenchus spp:07/23

Use Pattern: (PCR): Rate: 30.7 fl oz/A to 61.4 fl oz/A; Type of Application: Pre-plant incorporated or broadcast followed by soil incorporated or chemigation; Prefer to include both Pre-plant and In-crop applications; 2 applications; RTI: Minimum 14 days

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 13-5 (per ChemSAC 11/10/2010) (decline & processing)

Comments: Mfg supported at the 2023 FUW as Researchable, Residue & E/CS Data Needed:09/23/sb; EPA Orange, 12/23;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-HIP03 Coughlin, Julie



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13019	22-CAR10	A	WELKER	FLUOPYRAM (BAYER)	PINEAPPLE	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, ROUGH OR HAIRY, INEDIBLE PEEL SUBGROUP (24C)

Reason for Need: RENIFORM NEMATODES (ROTYLENCHULUS RENIFORMIS), ROOT-KNOT NEMATODES (MELIODOGYNE SPP.), ROOT LESION NEMATODES (PRATYLENCHUS SPP.); TO CONTROL NEMATODES DURING THE CROP CYCLE

Use Pattern: (PCR): USE THE VELUM ONE OR VELUM PRIME PRODUCT; MAKE 2 CHEMIGATION APPLIC OF 6.84 FL OZ PRODUCT/A, RE-TREATMENT INTERVAL 30 DAYS, 7-DAY PHI; APPLY AS CHEMIGATION INTO THE ROOT ZONE THROUGH LOW PRESSURE DRIP, TRICKLE, MICRO-SPRINKLER OR EQUIVALENT; APPLY NO MORE THAN 13.7 FL OZ VELUM ONE (0.446 LB AI)/A PER YEAR

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 13-5 (per ChemSAC 11/10/2010)

Comments: THERE IS BAYER DATA THAT COULD BE USED TO SUPPORT AN IMPORT TOLERANCE; MFG SUPPORTS, RESIDUE ONLY:06/20; EPA GREEN: 08/20, 08/21

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-PR01 Robles Vazquez, W.
(repl of ft 22-PR239 w/2024 \$)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13305	24-FLR04	A	PIKE	ZETA-CYPERMETHRIN (FMC)	DRAGON FRUIT (PITAYA)	TROPICAL AND SUBTROPICAL, CACTUS, INEDIBLE PEEL SUBGROUP (24D)

Reason for Need: VARIOUS MITES, CHILI THrips, STINKBUGS; THERE IS NOTHING REGISTERED ON SET FRUIT TO CONTROL THESE PESTS ON DRAGONFRUIT. CHILI THrips ALONE CAN REDUCE CROP YIELDS BY APPROXIMATELY 80%.

Use Pattern: (PCR): MUSTANG MAXX, ZETA-CYPERMETHRIN 0.15 LB/A/YR; FOLIAR APPLICATION, WITH 8 APPLICATIONS AND RETREATMENT INTERVAL OF 7 TO 10 DAYS; 1 DAY PHI; SCOUT FOR KNOWN INSECT PESTS AND APPLY FOLIARLY AT A 7-10 DAY INTERVAL. MAXIMUM RATE PER APPLICATION IS 4 OZ.AAND 8 APPLICATIONS MAX PER YEAR. DO NOT APPLY DURING BLOOM. DO NOT APPLY TO WATER BODIES (STRAMS, RIVERS, LAKES, CANALS, ETC.)

E/CS Data Requirements:

E/CS Research Comments: IN THE 2024 PERFORMANCE PROTOCOL: TESTING THE MUSTANG MAXX PRODUCT, AT A RATE OF 118 ML/A VS THE STANDARD SPINETORAM, FOR MEALYBUG AND CHILI THrips CONTROL; SEE PROTOCOL FOR DIFFERENT APPLIC REQUIREMENTS FOR EACH RESEARCH SITE (EACH SITE WILL MAKE MULTIPLE APPLIC AT 7-DAY INTERVALS, USING 30-100 GPA, A NON-IONIC ADJUVANT AND OBSERVING A 1-DAY PHI); EVALUATE EFFICACY AND CROP SAFETY AT EACH SITE

IR-4 Residue Trial Plan: Any 4

Comments: MFG INDICATES THAT INTERNATIONAL MRL'S NEED TO BE ESTABLISHED IF PRODUCTION IS ALSO FOR EXPORT; .EPA GREEN 08/22, 08/23

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FL103 Seregin, Vladimir V
24-FL104 Seregin, Vladimir V
24-PR281 Robles Vazquez, W.

24-HI130 Kam, James



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13305	-NONE	A	AXTELL	ZETA-CYPERMETHRIN (FMC)	DRAGON FRUIT (PITAYA)	TROPICAL AND SUBTROPICAL, CACTUS, INEDIBLE PEEL SUBGROUP (24D)

Reason for Need: VARIOUS MITES, CHILI THrips, STINKBUGS; THERE IS NOTHING REGISTERED ON SET FRUIT TO CONTROL THESE PESTS ON DRAGONFRUIT. CHILI THrips ALONE CAN REDUCE CROP YIELDS BY APPROXIMATELY 80%.

Use Pattern: (PCR): MUSTANG MAXX, ZETA-CYPERMETHRIN 0.15 LB/A/YR; FOLIAR APPLICATION, WITH 8 APPLICATIONS AND RETREATMENT INTERVAL OF 7 TO 10 DAYS; 1 DAY PHI; SCOUT FOR KNOWN INSECT PESTS AND APPLY FOLIARLY AT A 7-10 DAY INTERVAL. MAXIMUM RATE PER APPLICATION IS 4 OZ.AAND 8 APPLICATIONS MAX PER YEAR. DO NOT APPLY DURING BLOOM. DO NOT APPLY TO WATER BODIES (STRAMS, RIVERS, LAKES, CANALS, ETC.)

E/CS Data Requirements:

E/CS Research Comments: IN THE 2024 PERFORMANCE PROTOCOL: TESTING THE MUSTANG MAXX PRODUCT, AT A RATE OF 118 ML/A VS THE STANDARD SPINETORAM, FOR MEALYBUG AND CHILI THrips CONTROL; SEE PROTOCOL FOR DIFFERENT APPLIC REQUIREMENTS FOR EACH RESEARCH SITE (EACH SITE WILL MAKE MULTIPLE APPLIC AT 7-DAY INTERVALS, USING 30-100 GPA, A NON-IONIC ADJUVANT AND OBSERVING A 1-DAY PHI); EVALUATE EFFICACY AND CROP SAFETY AT EACH SITE

IR-4 Residue Trial Plan: Any 4

Comments: MFG INDICATES THAT INTERNATIONAL MRL'S NEED TO BE ESTABLISHED IF PRODUCTION IS ALSO FOR EXPORT; .EPA GREEN 08/22, 08/23

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FLP09 Carrillo, D.
24-PRP02 Martinez, Edda



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13046	-NONE	A	PATEL	MEFENOXAM (SYNGEN)	PASSIONFRUIT	TROPICAL AND SUBTROPICAL, VINE, INEDIBLE PEEL SUBGROUP (24E)

Reason for Need: ROOT ROT (NECTRIA FUNGI AND OTHERS); NOTHING REGISTERED TO CONTROL ROOT ROT SPECIFICALLY

Use Pattern: (PCR): USE THE RIDOMILGOLD SL PRODUCT; MAKE 4 SOIL-ROOT DRENCH DIRECTED APPLIC OF 1.5-3 PT PRODUCT/A, 30-60 DAY INTERVAL, 7-DAY PHI; BEGIN APPLIC DURING THE RAINY SEASON; IF POSSIBLE AVOID DRENCHING JUST PRIOR TO A HEAVY RAINFALL EVENT; DO NOT OVER IRRIGATE POST APPLIC; MFG SUGGESTS ONLY 2 APPLIC:09/20

E/CS Data Requirements:

E/CS Research Comments: IN THE 2021 PERFORMANCE PROTOCOL: EVALUATING PRODUCT PERFORMANCE ON COMMERCIAL VARIETIES SUSCEPTIBLE TO PHYTOPHTHORA ROOT ROT; TEST PLANTS ARE TO BE GROWN IN CONTAINERS WITH ARTIFICIAL MEDIA (AS DONE COMMERCIALY IN FL) AND THEN PLACED IN THE FIELD; MEDIA IS TO BE INOCULATED WITH A VIRULENT ISOLATE OF PHYTOPHTHORA 2-3 WEEKS FOLLOWING THE 1ST FUNGICIDE APPLIC; TEST RIDOMIL GOLD SL AT 1.5 LB AI/A, APPLIED TWICE VIA SOIL DRENCH, SOIL-DIRECTED OR DRIP IRRIGATION, VS THE STANDARD K PHITE 7LP, COMPARED WITH 3 TYPES OF CONTROL TREATMENTS (SEE PROTOCOL FOR DETAILED DIRECTIONS ABOUT APPLIC TIMING AND OTHER USE PATTERN REQUIREMENTS); EVALUATE DISEASE INCIDENCE AND SEVERITY, AND CROP SAFETY; THE 2022 AND 2024 PERFORMANCE PROTOCOLS FOLLOW SIMILAR DETAILS AS THE 2021 PROTOCOL - SEE THOSE PROTOCOLS FOR USE PATTERN AND EVALUATION REQUIREMENTS

IR-4 Residue Trial Plan: ANY 4

Comments: NO KEY EXPORT MARKET NOTED; THERE ARE CURRENT LABELED USES ON TROPICAL FRUIT AND AVOCADO WITH USE PATTERNS TO BE CONSIDERED FOR PASSIONFRUIT; SEE PR# 13047 FOR MEFEENOXAM + MANCOZEB (COULD COVER THIS MEFENOXAM REQUEST WITH THE COMBO AI PROJECT) AND PR# 13051 FOR MANCOZEB ALONE:06/20; MFG SUPPORTS, BUT NEEDS TO FURTHER UNDERSTAND THE TARGET PATHOGENS (NECTRIA MAY NOT BE SUPPORTED):09/20; EPA GREEN:12/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FLP08 Gazis, Dr. Romina



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13078	-	A	PATEL	FLUDIOXONIL + PYDIFLUMETOFEN (SYNGEN)	BASIL	HERB FRESH AND DRIED LEAVES SUBGROUP (25AB)
<p><u>Reason for Need:</u> FUSARIUM; VERY LIMITED NUMBER OF FUNGICIDES REGISTERED FOR FUSARIUM CONTROL ON BASIL; PER OR ME-TOO REQUEST 08/20: FUSARIUM WILT IS A SIGNIFICANT PROBLEM IN OR, AND ADDITIONAL ROTATION PRODUCTS WOULD BE NICE TO HAVE</p> <p><u>Use Pattern: (PCR):</u> USE THE MIRAVIS PRIME PRODUCT; MAKE 2 DRENCH APPLIC OF 13.4 FL OZ/100 GAL, 7-DAY INTERVAL, 0-DAY PHI; MAKE AN IN-TRAY DRENCH APPLIC FOLLOWED BY AN IN-FIELD DRENCH APPLIC FOR TRANSPLANTS; OR MAKE 2 IN-FIELD DRENCH APPLIC FOR DIRECT SEEDED BASIL</p> <p><u>E/CS Data Requirements:</u> SOME NJ EFFICACY DATA FROM 2019 AND 2020 WILL BE AVAILABLE:07/20</p> <p><u>E/CS Research Comments:</u> IN THE PERFORMANCE PROTOCOL FOR 2023: EVALUATING PRODUCT PERFORMANCE ON COMMERCIAL VARIETIES SUSCEPTIBLE TO FUSARIUM WILT; TESTING SOIL DRENCH APPLIC OF 15.4 FL OZ/A OF MIRAVIS PRIME (PYDIFLUMETOFEN + FLUDIOXONIL) VS A LABELED RATE OF A STANDARD (APPLY PER LABEL DIRECTIONS); MAKE IN-FIELD DRENCH, BANDED OR HIGH VOLUME DIRECTED SPRAYS, WITH 1ST APPLIC AT TRANSPLANTING OR AT PLANTING IF SEEDED, AND 2ND APPLIC 7 DAYS LATER; 0-DAY PHI; EVALUATE FUSARIUM WILT DISEASE INCIDENCE AND SEVERITY AND CROP SAFETY</p> <p><u>IR-4 Residue Trial Plan:</u> ANY 4; FRESH AND DRIED</p> <p><u>Comments:</u> CANADA NOTED AS A KEY EXPORT MARKET; NO HERB OR BASIL TOLERANCES ARE ESTABLISHED FOR PYDIFLUMETOFEN, BUT THERE IS AN HERB 19A AND 19B TOLERANCE FOR FLUDIOXONIL (FROM WORK DONE TO REGISTER THE SWITCH LABEL, FLUDI + CYPRODINIL); IS A POTENTIAL JOINT PROJECT WITH CANADA:07/20; SYNG SUPPORTS, RESIDUE AND E/CS DATA NEEDED:09/20; EPA GREEN(BOTH):08/21, 08/22</p>						
<p><u>NER-EPA Region-FRD</u> <u>NCR-EPA Region-FRD</u> <u>SOR-EPA Region-FRD</u> <u>WSR-EPA Region-FRD</u> <u>CANADA-EPA Region-FRD</u></p> <p>24-NCP05 Quesada, Dr. Lina Maria</p>						



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13542	23-CAR12	A	MOORE,P	FLUTIANIL (LANDIS,NAI,OATAGRIO)	BASIL (FIELD & GH)	HERB FRESH AND DRIED LEAVES SUBGROUP (25AB)

Reason for Need: POWDERY MILDEW - IS NOT BEING CONTROLLED WITH REGISTERED FUNGICIDES

Use Pattern: (PCR):

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 4; add 3 Red A "GH" trials in 2024

Comments: THIS RESIDUE DATA WITH USE ON BASIL COVERS PR#12348 (SAGE) AND PR#12349 (ROSEMARY):04/23; REQUEST FOR ROSEMARY AND SAGE WAS ALSO FOR GH, SO AMENDMENT WILL BE NEEDED TO UPDATE:01/24/sb; to repl fts from studies removed for accepted ChemSACs, 3 Red A "GH" fts are being added in 2024:01/24/sb; the project has been changed from Basil to Basil (Field & GH) to accurately reflect the initial request:02/24/sb

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-NC383 Smith, Stephen C
(gh)
24-FL384 Long, Michael
(gh)

24-NM385 Robbins, Chanz
(gh)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13732	24-TBD	A	DINEEN	LINURON (TKI)	MINT	HERB FRESH AND DRIED LEAVES SUBGROUP (25AB)

Reason for Need: Copied from PR# 11773, "REDROOT PIGWEED, KOCHIA, RATTAIL FESCUE, OTHER WEEDS:09/23

Use Pattern: (PCR):

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 5-2 11-3 (Decline & 2 Processing) (Processing for oil) (residues in previous study)

Comments: This was an initial study under PR# 11773 but due to analytical concerns the study will need to be repeated. Therefore, this new PR# was created and will have to be reprioritized to assure there is still a need:08/23/sb; per TKI, status is now Researchable, Residue only:11/23/sb; EPA Yellow 12/23; Residue ongoing, no E/CS data required 02/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-WI362 Chapman, Scott
(decline)
24-WI361 Heider, Daniel J.
(processing)

24-ID147 Meeks, Mr. Will
24-ID146 Meeks, Mr. Will
24-WA328 Peng, Wilson
(processing)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13783	24-CAR21	A	DINEEN	FLUTIANIL (LANDIS,NAI,OATAGRIO)	MINT (FIELD & GH)	HERB FRESH AND DRIED LEAVES SUBGROUP (25AB)

Reason for Need: POWDERY MILDEW - IS NOT BEING CONTROLLED WITH REGISTERED FUNGICIDES

Use Pattern: (PCR): USE THE GATTEN PRODUCT (0.423 LB AI/GAL); MAKE 5 FOLIAR APPLIC OF 0.0264 LB AI/A IN 20-60 GPA, 7-DAY INTERVAL, 0-DAY PHI

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 5-2 11-3 (decline & 2 processing); NAFTA 5, 7A-2, 11-2

Comments: THIS RESIDUE DATA WITH USE ON BASIL COVERS PR#12348 (SAGE) AND PR#12349 (ROSEMARY):10/23; EPA Green 12/23; Commodity updated to Mint Field & GH based on Rosemary & PCRs submitted for field & gh & to repl fts from studies removed for accepted ChemSACs, 3 Red A "GH" fts are being added:01/24/sb :01/24/sb; Residue protocol signed, status changed from "Researchable, only res data needed" to "Complete w ongoing trials" 02/24/drs;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-OH*250 Horst, Leona
24-WI366 Heider, Daniel J.
(processing)
24-WI365 Chapman, Scott
(decline)
24-WI388 Chapman, Scott
(gh)

24-NC386 Smith, Stephen C
(gh)

24-ID149 Meeks, Mr. Will
24-WA*331 Larson, Duane
(processing)
24-WA332 Peng, Wilson
(region 11)
24-CA387 Leach, Nathan
(gh)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13108	23-TIR01	A	MOORE,P	AZOXYSTROBIN (SYNGEN)	MINT (GH TRANSPLANT)	HERB FRESH AND DRIED LEAVES SUBGROUP (25AB)

Reason for Need: SOIL-BORNE PATHOGENS; THERE ARE NO PRODUCTS LABELED FOR THIS USE; PER NH ME-TOO REQUEST: GROWERS HAVE STRUGGLED TO CONTROL ROOT ROTS ON HERB TRANSPLANTS WITHOUT FUNGICIDE TOOLS; PER IN, CT AND CA ME-TOO REQUEST: THERE ARE NO PRODUCTS LABELED FOR USE AGAINST ROOT ROT; PER FL ME-TOO REQUEST: NEEDED FOR DISEASE MANAGEMENT FOR TRANSPLANT PRODUCTION

Use Pattern: (PCR): USE THE HERITAGE PRODUCT; MAKE 2-3 DRENCH APPLIC, 7-14 DAY INTERVAL, 0-2 DAY PHI; RATE TO BE DETERMINED WITH THE MFG; APPLY WHILE IN THE PLUG, APPLY AT TRANSPLANT AND FOLLOWING TRANSPLANTING

E/CS Data Requirements:

E/CS Research Comments: IN THE 2023 PERFORMANCE PROTOCOL: EXAMINING AZOXYSTROBIN FOR CONTROL OF ROOT ROT IN GH MINT TRANSPLANTS; TEST 2 DRENCH TRTS OF HERITAGE 50WG (DILUTION OF 1 OZ PRODUCT APPLIED AT 2 PT SPRAY SOLUTION/SQ FT AND 2 OZ PRODUCT APPLIED AT 1 PT SPRAY SOLUTION/SQ FT), BOTH TRTS RESULTING IN 3.4 LB AI/A; MAKE 3 CONTAINER DRENCH APPLIC, 7-DAY INTERVAL, WITH FINAL APPLIC THE DAY BEFORE PLANTS LEAVE THE GH; EVALUATE DISEASE INCIDENCE AND SEVERITY, AND PHYTOTOXICITY

IR-4 Residue Trial Plan: 5-2 11-3 (STARTED IN GH); 1 Red A Trial Needed in 2024.

Comments: ORIGINAL REQUEST WAS FOR GH HERB TRANSPLANTS, AND IT WAS SPLIT INTO TWO REQUESTS, FOR THE PROPOSED SUBGROUP REP CROPS MINT AND BASIL (PR# 13107); NO EXPORT MARKET NOTED; A FOLIAR USE ON HERB TRANSPLANTS IS ON THE HERITAGE LABEL, BUT THE EXPECTED HIGHER USE RATE AND DRENCH APPLIC MAY RESULT IN HIGHER RESIDUES; MAY EXPLORE IF THIS USE CAN BE SECURED VIA A CHEMSAC PROPOSAL:07/20; SYNG SUPPORTS, RESIDUE AND E/CS DATA NEEDED:09/20; EPA GREEN:08/21, 08/22

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-WI350 Chapman, Scott



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13108	-	A	PATEL	AZOXYSTROBIN (SYNGEN)	MINT (GH TRANSPLANT)	HERB FRESH AND DRIED LEAVES SUBGROUP (25AB)

Reason for Need: SOIL-BORNE PATHOGENS; THERE ARE NO PRODUCTS LABELED FOR THIS USE; PER NH ME-TOO REQUEST: GROWERS HAVE STRUGGLED TO CONTROL ROOT ROTS ON HERB TRANSPLANTS WITHOUT FUNGICIDE TOOLS; PER IN, CT AND CA ME-TOO REQUEST: THERE ARE NO PRODUCTS LABELED FOR USE AGAINST ROOT ROT; PER FL ME-TOO REQUEST: NEEDED FOR DISEASE MANAGEMENT FOR TRANSPLANT PRODUCTION

Use Pattern: (PCR): USE THE HERITAGE PRODUCT; MAKE 2-3 DRENCH APPLIC, 7-14 DAY INTERVAL, 0-2 DAY PHI; RATE TO BE DETERMINED WITH THE MFG; APPLY WHILE IN THE PLUG, APPLY AT TRANSPLANT AND FOLLOWING TRANSPLANTING

E/CS Data Requirements:

E/CS Research Comments: IN THE 2023 PERFORMANCE PROTOCOL: EXAMINING AZOXYSTROBIN FOR CONTROL OF ROOT ROT IN GH MINT TRANSPLANTS; TEST 2 DRENCH TRTS OF HERITAGE 50WG (DILUTION OF 1 OZ PRODUCT APPLIED AT 2 PT SPRAY SOLUTION/SQ FT AND 2 OZ PRODUCT APPLIED AT 1 PT SPRAY SOLUTION/SQ FT), BOTH TRTS RESULTING IN 3.4 LB AI/A; MAKE 3 CONTAINER DRENCH APPLIC, 7-DAY INTERVAL, WITH FINAL APPLIC THE DAY BEFORE PLANTS LEAVE THE GH; EVALUATE DISEASE INCIDENCE AND SEVERITY, AND PHYTOTOXICITY

IR-4 Residue Trial Plan: 5-2 11-3 (STARTED IN GH); 1 Red A Trial Needed in 2024.

Comments: ORIGINAL REQUEST WAS FOR GH HERB TRANSPLANTS, AND IT WAS SPLIT INTO TWO REQUESTS, FOR THE PROPOSED SUBGROUP REP CROPS MINT AND BASIL (PR# 13107); NO EXPORT MARKET NOTED; A FOLIAR USE ON HERB TRANSPLANTS IS ON THE HERITAGE LABEL, BUT THE EXPECTED HIGHER USE RATE AND DRENCH APPLIC MAY RESULT IN HIGHER RESIDUES; MAY EXPLORE IF THIS USE CAN BE SECURED VIA A CHEMSAC PROPOSAL:07/20; SYNG SUPPORTS, RESIDUE AND E/CS DATA NEEDED:09/20; EPA GREEN:08/21, 08/22

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-TNP01 Baysal-Gurel, Fulya



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13530	23-YAR04	A	WELKER	UNICONAZOLE-P (VALENT)	MINT (GH TRANSPLANT)	HERB FRESH AND DRIED LEAVES SUBGROUP (25AB)

Reason for Need: GROWTH REGULATION - WITHOUT THIS, SOME CROP PLANTS WILL BOLT UNDER HOT GH CONDITIONS

Use Pattern: (PCR): USE THE SUMAGIC PRODUCT; MAKE UP TO 2 FOLIAR APPLIC OF 2-10 PPM, IN A VOLUME OF 2 QT SOLUTION/100 SQ FT; 7-14 DAY INTERVAL; NO PHI LISTED ON CURRENT LABEL; MFG REQUESTS THE LABELED USE PATTERN FOR FRUITING VEGETABLE TRANSPLANTS BE FOLLOWED (08/16)

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 5-2 11-3 (STARTED IN GH); 1 PROCESSING TRIAL; 2 Red A trials in Region 11 needed for 2024 season.

Comments: REQUEST INCLUDES USE ON VARIOUS GH TRANSPLANTS FOR RETAIL SALE: ROOT/TUBER, LEAFY VEG, BRASSICA, HERBS (THERE IS ANOTHER REQUEST [10895] FOR USE ON HERBS WHICH THE MFG DID NOT SUPPORT YEARS AGO); THE CURRENT SUMAGIC LABEL INCLUDES ONLY FRUITING VEGETABLES:07/16; MFG SUPPORTS, AND RECOMMENDS THE USE PATTERN CURRENTLY ESTABLISHED FOR FRUITING VEGETABLE TRANSPLANTS:08/16; EPA GREEN:09/18; EPA GREEN:09/19; EPA CAUTION:08/20; PER VALENT, E/CS DATA ARE NOT NEEDED:04/21; EPA GREEN:08/21, 08/22; PR#12028 ORIGINALLY WAS SUBMITTED UNDER HERBS. THAT REQUEST WAS BROKEN INTO 2 SEPARATE REQUESTS AS BASIL (GH) AND MINT (GH), PR#13530; Residue Protocol signed 06/23, ECS Protocol still needs to be signed: 06/23, JPB; E/CS protocol signed 01/24 02/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-WA321 Peng, Wilson
24-WA322 Peng, Wilson



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13530	-NONE	A	BATTS	UNICONAZOLE-P (VALENT)	MINT (GH TRANSPLANT)	HERB FRESH AND DRIED LEAVES SUBGROUP (25AB)

Reason for Need: GROWTH REGULATION - WITHOUT THIS, SOME CROP PLANTS WILL BOLT UNDER HOT GH CONDITIONS

Use Pattern: (PCR): USE THE SUMAGIC PRODUCT; MAKE UP TO 2 FOLIAR APPLIC OF 2-10 PPM, IN A VOLUME OF 2 QT SOLUTION/100 SQ FT; 7-14 DAY INTERVAL; NO PHI LISTED ON CURRENT LABEL; MFG REQUESTS THE LABELED USE PATTERN FOR FRUITING VEGETABLE TRANSPLANTS BE FOLLOWED (08/16)

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 5-2 11-3 (STARTED IN GH); 1 PROCESSING TRIAL; 2 Red A trials in Region 11 needed for 2024 season.

Comments: REQUEST INCLUDES USE ON VARIOUS GH TRANSPLANTS FOR RETAIL SALE: ROOT/TUBER, LEAFY VEG, BRASSICA, HERBS (THERE IS ANOTHER REQUEST [10895] FOR USE ON HERBS WHICH THE MFG DID NOT SUPPORT YEARS AGO); THE CURRENT SUMAGIC LABEL INCLUDES ONLY FRUITING VEGETABLES:07/16; MFG SUPPORTS, AND RECOMMENDS THE USE PATTERN CURRENTLY ESTABLISHED FOR FRUITING VEGETABLE TRANSPLANTS:08/16; EPA GREEN:09/18; EPA GREEN:09/19; EPA CAUTION:08/20; PER VALENT, E/CS DATA ARE NOT NEEDED:04/21; EPA GREEN:08/21, 08/22; PR#12028 ORIGINALLY WAS SUBMITTED UNDER HERBS. THAT REQUEST WAS BROKEN INTO 2 SEPARATE REQUESTS AS BASIL (GH) AND MINT (GH), PR#13530; Residue Protocol signed 06/23, ECS Protocol still needs to be signed: 06/23, JPB; E/CS protocol signed 01/24 02/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-MIP08

Hausbeck, Dr. Mary K.

24-FLP11

Viana Xavier, Katia



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13733	24-TBD	A	DINEEN	LINURON (TKI)	STEVIA	HERB FRESH AND DRIED LEAVES SUBGROUP (25AB)

Reason for Need: Copied from 12811/WINTER ANNUAL AND BIENNIAL WEEDS; THERE ARE CURRENTLY NO HERBICIDES REGISTERED FOR CONTROLLING WINTER WEEDS IN ESTABLISHED STEVIA

Use Pattern: (PCR): Copied from 12811/USE LINEX; MAKE 2 SOIL BROADCAST APPLIC OF 2 PT/A IN WINTER MONTHS, 30-45 DAY INTERVAL, 60-DAY PHI; INCLUDE A NON-SELECTIVE HERBICIDE, SUCH AS PARAQUAT, IN EACH APPLIC IN ORDER TO MANAGE EMERGED WEEDS

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: Any 4 (fresh & dried)

Comments: This was an initial study under PR# 12811 but due to analytical concerns the study will need to be repeated. Therefore, this new PR# was created and will have to be reprioritized to assure there is still a need:08/23/sb; Mfg gave support at the 2023 FUW as Researchable, Only Residue Data Needed:09/23/sb; EPA Yellow, 12/23;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FL110	Thomas, Darrell
24-NC194	Smith, Stephen C
24-NC193	Smith, Stephen C
24-NC192	Smith, Stephen C

24-CA64	Skiles, Keri
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2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12562	23-CAR14	A	MARCONI	PYRIDABEN (GOWAN)	MIRACLE FRUIT	SPICES CROP GROUP (26)

Reason for Need: MITES THAT ATTACK LEAVES AND FRUIT; NOTHING REGISTERED FOR THIS CROP TO CONTROL MITES

Use Pattern: (PCR): USE THE SANMITE SC PRODUCT; MAKE 5 FOLIAR APPLIC OF 6.4-9.6 OZ/A, 30-DAY INTERVAL, 14-DAY PHI; LIMIT TO 2 APPLIC/YR; APPLY WHEN MITES ARE DETECTED; ROTATE WITH OTHER MITICIDES TO AVOID RESISTANCE

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 4 TRIALS; 2 Red A trials needed for 24 field season

Comments: NO EXPORT MARKETS NOTED; THIS CROP IS PROPOSED TO BE IN THE SPICE CROP GROUP 26; THERE IS NO TOLERANCE FOR DILL OR SPICE SUBGROUP 19B:08/18; EPA GREEN:09/19; IR-4 SOUTHERN REGION TO CONFIRM PEST COMPLEX TARGET(S), THEN MAY NOT NEED E/CS DATA:05/20; EPA GREEN: 08/20, 08/21, 08/22; Residue Protocol signed awaiting ECS Protocol: 05/23, JPB; E/CS protocol signed 01/24 02/24/DRS; Complete with on-going trials updated to Residue On-going; E/CS data on-going:01/24/sb;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FL94 Seregin, Vladimir V
(Reg 13)
24-FL95 Seregin, Vladimir V
(Reg 13)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12562	-NONE	A	AXTELL	PYRIDABEN (GOWAN)	MIRACLE FRUIT	SPICES CROP GROUP (26)

Reason for Need: MITES THAT ATTACK LEAVES AND FRUIT; NOTHING REGISTERED FOR THIS CROP TO CONTROL MITES

Use Pattern: (PCR): USE THE SANMITE SC PRODUCT; MAKE 5 FOLIAR APPLIC OF 6.4-9.6 OZ/A, 30-DAY INTERVAL, 14-DAY PHI; LIMIT TO 2 APPLIC/YR; APPLY WHEN MITES ARE DETECTED; ROTATE WITH OTHER MITICIDES TO AVOID RESISTANCE

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 4 TRIALS; 2 Red A trials needed for 24 field season

Comments: NO EXPORT MARKETS NOTED; THIS CROP IS PROPOSED TO BE IN THE SPICE CROP GROUP 26; THERE IS NO TOLERANCE FOR DILL OR SPICE SUBGROUP 19B:08/18; EPA GREEN:09/19; IR-4 SOUTHERN REGION TO CONFIRM PEST COMPLEX TARGET(S), THEN MAY NOT NEED E/CS DATA:05/20; EPA GREEN: 08/20, 08/21, 08/22; Residue Protocol signed awaiting ECS Protocol: 05/23, JPB; E/CS protocol signed 01/24 02/24/DRS; Complete with on-going trials updated to Residue On-going; E/CS data on-going:01/24/sb;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FLP07 Carrillo, D.



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13635	24-FLR06	A	PIKE	OXATHIPIPROLIN + MANDIPROPAMID (SYNGEN)	CACAO BEAN	MISC GROUP (99)

Reason for Need: Black Pod Rot caused by Phytophthora palmivora; Black pod rot is an important disease in the East Hawaii production area where there is high rainfall. There are no conventional fungicides registered on Cacao to control this disease. Domestic tolerances are established for both active ingredients. I'm not sure if those tolerances cover this use pattern. There was an original project request for oxathiapirolin alone (PR 11883). Syngenta does not support the sole ai, but supports the premix, oxathiapirolin + mandipropamid:05/23

Use Pattern: (PCR): Use Orondis ultra as a foliar spray at 6.84 fl oz/A (0.5 L/ha), 4 apps, 21 day RTI, 14 day PHI. Syngenta proposed: The OXTP tolerances from citrus that were extrapolated to cacao supported a single foliar application at 0.03 lb. ai/A, 0-day PHI. Residue data will need to be generated to support 4 applications if the total rate is higher. For MDP, it looks like we have an IT on cacao. Residue data will also need to be generated here for a domestic tolerance.

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: Any 4 (processing)

Comments: Syngenta supports this request as "Researchable, Residue & E/CS data needed with the proposed use pattern update noted:06/23; EPA GREEN: 08/23

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-PR282 Robles Vazquez, W.

24-HI131 Kam, James
(Julie Paid for Processing with this trial 2
24-HI132 Kam, James



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13635	-NONE	A	PATEL	OXATHIPIPROLIN + MANDIPROPAMID (SYNGEN)	CACAO BEAN	MISC GROUP (99)
<p><u>Reason for Need:</u> Black Pod Rot caused by Phytophthora palmivora; Black pod rot is an important disease in the East Hawaii production area where there is high rainfall. There are no conventional fungicides registered on Cacao to control this disease. Domestic tolerances are established for both active ingredients. I'm not sure if those tolerances cover this use pattern. There was an original project request for oxathiapiprolin alone (PR 11883). Syngenta does not support the sole ai, but supports the premix, oxathiapiprolin + mandipropamid:05/23</p> <p><u>Use Pattern: (PCR):</u> Use Orondis ultra as a foliar spray at 6.84 fl oz/A (0.5 L/ha), 4 apps, 21 day RTI, 14 day PHI. Syngenta proposed: The OXTP tolerances from citrus that were extrapolated to cacao supported a single foliar application at 0.03 lb. ai/A, 0-day PHI. Residue data will need to be generated to support 4 applications if the total rate is higher. For MDP, it looks like we have an IT on cacao. Residue data will also need to be generated here for a domestic tolerance.</p> <p><u>E/CS Data Requirements:</u></p> <p><u>E/CS Research Comments:</u></p> <p><u>IR-4 Residue Trial Plan:</u> Any 4 (processing)</p> <p><u>Comments:</u> Syngenta supports this request as "Researchable, Residue & E/CS data needed with the proposed use pattern update noted:06/23; EPA GREEN: 08/23</p>						
<u>NER-EPA Region-FRD</u>		<u>NCR-EPA Region-FRD</u>		<u>SOR-EPA Region-FRD</u>	<u>WSR-EPA Region-FRD</u>	<u>CANADA-EPA Region-FRD</u>
				24-PRP03 Macchiavelli, Sofia	24-HIP02 Coughlin, Julie	



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13689	24-FLR10	A	BYRTUS	INDAZIFLAM (ENVU) (ENVU)	CAMAS	MISC GROUP (99)

Reason for Need: Invasive annual grasses and broadleaf weeds to restore natural rangeland; Restore exotic annual grass invaded sites. The invasive annual grasses (Bromus tectorum, Ventenata dubia, Taeniatherum caput-medusae and others) compete directly with native perennial grasses, forbs and shrubs. They provide fire fuel resulting in more frequent wildfire and the diverse, deep rooted native range transitions to a monoculture of shallow rooted invasive annual grass:07/23

Use Pattern: (PCR): Apply Rejuvra once at 7 fl oz/A as a broadcast application. Apply in fall before the first expected germination of annual grasses and within two months of the first expected precipitation. Apply only once a year.

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 1st year: any 2 trials. 2nd year: any 2 trials

Comments: Camas (Camassia quamash) is a naturally occurring rangeland food plant that is sometimes harvested for human consumption. Mfg (ENVU) supports as "Researchable, Only Residue Data Needed", and a 22 month guideline study crop rotational data is available:08/23; EPA Green 12/23;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-OR267 Lightle, Dani
24-WA325 Peng, Wilson



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13179	23-ADP01	A	BYRTUS	BENZOVINDIFLUPYR + DIFENOCONAZOLE (SYNGEN)	COFFEE	MISC GROUP (99)
<p><u>Reason for Need:</u> COFFEE RUST, HEMILEIA VASTATRIX; THERE ARE NO FUNGICIDES REGISTERED IN COFFEE TO CONTROL COFFEE RUST EXCEPT COPPER BASED PRODUCTS; THERE IS AN URGENT NEED FOR FUNGICIDE PRODUCTS TO CONTROL COFFEE RUST DUE TO THE RECENT DETECTION OF THIS PATHOGEN IN HAWAII</p> <p><u>Use Pattern: (PCR):</u> USE APPROVIA TOP PRODUCT; MAKE 4 FOLIAR APPLIC OF 0.068 LB AI BENZO + 0.163 LB AI DIFEN/A, APPLIED AT A 7-14 DAY INTERVAL, 14-DAY PHI</p> <p><u>E/CS Data Requirements:</u></p> <p><u>E/CS Research Comments:</u></p> <p><u>IR-4 Residue Trial Plan:</u> 13-5 (NEED 1 PROCESSING)(1 DECLINE)</p> <p><u>Comments:</u> A KEY EXPORT MARKET IS NOTED AS JAPAN; FOR BENZOVINDIFLUPYR THERE IS A COFFEE, GREEN BEAN, TOLERANCE BUT NO REGISTRATION IN THE U.S.; THERE IS NO COFFEE TOLERANCE FOR DIFENOCONAZOLE; INT'L DATA MAY BE AVAILABLE TO SUPPORT THE U.S. USE; THE REQUESTED USE PATTERN LINES UP WITH OTHER CROPS FOR CONTROL OF RUST DISEASES; MFG SUPPORTS THE REQUEST, RESIDUE AND E/CS DATA NEEDED; MFG HAS REGISTRATION IN BRAZIL AND IS WORKING ON REGISTRATIONS IN OTHER LATIN AMERICAN COUNTRIES; MFG MAY BE ABLE TO PROVIDE FIELD/LAB RESEARCH ASSISTANCE, AND IS CONSIDERING FINANCIAL SUPPORT:10/20; EPA GREEN:08/21; SYNGENTA REQUESTING ADDITIONAL E/CS DATA TO SUPPORT THE USE PATTERN; TO SUPPORT THIS USE IN COFFEE WOULD REQUIRE RESIDUE TRIALS FOR BOTH ACTIVES AND FOUR TRIAZOLE METABOLITES; THE WATCHOUT IS CODEX MRL ALREADY ESTABLISHED, SO THERE IS RISK THAT A NEW RESIDUE TRIAL COULD TRIGGER A HIGHER MRL WHICH COULD RESULT IN TRADE ISSUES: 08/22</p>						
<u>NER-EPA Region-FRD</u>		<u>NCR-EPA Region-FRD</u>		<u>SOR-EPA Region-FRD</u>		<u>WSR-EPA Region-FRD</u>
						<u>CANADA-EPA Region-FRD</u>
						24-HI369 Kam, James (repl for 23-HI132 - 2024 \$ approved)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13449	23-FLR06	A	BYRTUS	INPYRFLUXAM (VALENT)	COFFEE	MISC GROUP (99)

Reason for Need: TARGET PESTS: COFFEE LEAF RUST, HEMILEIA VASTATRIX; THERE ARE NO FUNGICIDES REGISTERED IN COFFEE TO CONTROL COFFEE LEAF RUST EXCEPT COPPER BASED PRODUCTS; THERE IS AN URGENT NEED FOR SYSTEMIC FUNGICIDES DUE TO THE RECENT INTRODUCTION OF COFFEE LEAF RUST IN HAWAII

Use Pattern: (PCR): USE EXCALIA FUNGICIDE AT 0.089 LB AI/A WITH A FOLIAR DIRECTED SPRAY USING 3 APPLIC, 45 DAYS RETREATMENT INTERVAL, 30-DAY PHI; MAKE FIRST APPLIC AS A PREVENTATIVE SPRAY BEFORE DISEASE IS OBSERVED IN THE FIELD; DO NOT APPLY MORE THAN 12 FL OZ/A OF EXCALIA PER YEAR

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 13-5

Comments: Residue Protocol signed awaiting ECS Protocol: 05/23, JPB;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-PR02 Robles Vazquez, W.
(repl of ft 23-PR284 w/2024 \$)



2024 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>																				
P13522	-NONE	A	BATTS	SAFLUFENACIL (BASF)	FIELD PENNYCRESS (OIL SEED)	MISC GROUP (99)																				
<p><u>Reason for Need:</u> HARVEST AID/DESICCATION; SINCE SOYBEANS ARE OFTEN PLANTED AFTER HARVEST, AN EARLIER HARVEST DATE WOULD ALLOW FOR AN EARLIER SOYBEAN PLANTING DATE. IN ADDITION, AN EARLIER HARVEST WOULD HELP REDUCE YIELD LOSS ATTRIBUTED TO THE SEED SHATTERING PROBLEMS ASSOCIATED WITH THIS CROP. THIS PRODUCT IS AN ADDITIONAL MODE OF ACTION TO CONTROL WEEDS;</p> <p><u>Use Pattern: (PCR):</u> DOSAGE 1-2 OZ/A, FOLIAR BROADCAST, APPLY TO PHYSIOLOGICALLY MATURE CROP, USE A MINIMUM OF 5-10 GAL/A SPRAY VOLUME, FOR OPTIMAL PERFORMANCE, APPLY 1 GAL MSO PLUS 8.5-17 LB AMS/100 GAL SPRAY SOLUTION. IF SOYBEANS ARE PLANTED IMMEDIATELY AFTER PENNYCRESS HARVEST, THE RATE MAY BE REDUCED TO 1 OZ/A. THIS IS THE LABELED RATE FOR PREGEMERGENCE APPLICATION TO SOYBEAN; DO NOT USE IF SOYBEANS WILL FOLLOW PENNTCRESS ON COARSE SOILS WITH <2% ORGANIC MATTER</p> <p><u>E/CS Data Requirements:</u> IR-4 E/CS WORK IS EXPECTED TO BE CARRIED OUT IN 2024:07/23/sb</p> <p><u>E/CS Research Comments:</u> PER THE 2023 PERFORMANCE PROTOCOL: EVALUATING PRODUCT PERFORMANCE AS A HARVEST AID/DESSICANT; TESTING 2 RATES OF SHARPEN HERBICIDE: 0.022 AND 0.044 LB AI/A, APPLIED FOLIAR BROADCAST IN AT LEAST 10 GPA, VS A LABELED RATE OF REGIONE (DIQUAT); APPLY SHARPEN TREATMENTS AFTER CROP HAS REACHED PHYSIOLOGICAL MATURITY, 3-10 DAYS PRIOR TO SEED HARVEST; ALL SHARPEN APPLIC MUST INCLUDE A METHYLATED SEED OIL (MSO) AT 1% V/V, AND AMMONIUM SULFATE (AMS) AT 17 LB/100 GAL OF SPRAY SOLUTION; EVALUATE CROP DESSICATION AT 3 AND 7 DAYS POST APPLIC, AND AT HARVEST; SEED VIABILITY WILL ALSO BE ASSESSED; WEED CONTROL AND CROP YIELD DATA ARE NOT REQUIRED</p> <p><u>IR-4 Residue Trial Plan:</u></p> <p><u>Comments:</u> CHEMSAC PROPOSAL WILL BE DONE FOR POTENTIAL RESIDUE TOLERANCE:10/22; STATUS OF "RESEARCHABLE, RESIDUE & E/CS DATA NEEDED" SHOULD HAVE BEEN UPDATED TO BASF SUPPORTS "NEEDS E/CS DATA ONLY" IN 9/22. THE STATUS HAS SINCE BEEN CHANGED TO "TOLERANCE/USE TO PURSUED WITH NO DATA PROPOSAL/PETITION" SINCE IR-4 WILL PREPARE A CHEMSAC PROPOSAL. ALSO, IR-4 E/CS WORK IS EXPECTED TO BE CARRIED OUT IN 2024:07/23/sb; AN E/CS PROTOCOL WAS SIGNED 9/5/23 FOR 2024 TRIALS, SO THE STATUS HAS BEEN UPDATED TO E/CS DATA ONGOING. THE RES CHEMSAC PROPOSAL WILL STILL BE TRACKED ON THE IR-4 TIMELINES:02/24/sb</p>																										
<table><tr><td><u>NER-EPA Region-FRD</u></td><td><u>NCR-EPA Region-FRD</u></td><td><u>SOR-EPA Region-FRD</u></td><td><u>WSR-EPA Region-FRD</u></td><td><u>CANADA-EPA Region-FRD</u></td></tr><tr><td></td><td>24-MNP01 Bernards, Mark</td><td></td><td></td><td></td></tr><tr><td></td><td>24-MNP02 Bernards, Mark</td><td></td><td></td><td></td></tr><tr><td></td><td>24-MOP01 Smeda, Reid J.</td><td></td><td></td><td></td></tr></table>							<u>NER-EPA Region-FRD</u>	<u>NCR-EPA Region-FRD</u>	<u>SOR-EPA Region-FRD</u>	<u>WSR-EPA Region-FRD</u>	<u>CANADA-EPA Region-FRD</u>		24-MNP01 Bernards, Mark					24-MNP02 Bernards, Mark					24-MOP01 Smeda, Reid J.			
<u>NER-EPA Region-FRD</u>	<u>NCR-EPA Region-FRD</u>	<u>SOR-EPA Region-FRD</u>	<u>WSR-EPA Region-FRD</u>	<u>CANADA-EPA Region-FRD</u>																						
	24-MNP01 Bernards, Mark																									
	24-MNP02 Bernards, Mark																									
	24-MOP01 Smeda, Reid J.																									



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12868	24-TIR05	A	MOORE,P	S-METOLACHLOR/METOLAC HLOR (SYNGEN,UPL NA)	FIELD PENNYCRESS (OIL SEED)	MISC GROUP (99)

Reason for Need: GRASS AND SOME BROADLEAF WEEDS; THIS IS ONE OF THE ONLY OPTIONS FOR FAIR-GOOD CONTROL OF PIGWEED AND WATERHEMP, TWO OF THE MOST PROBLEMATIC WEEDS OF THE REGION

Use Pattern: (PCR): MAKE ONE FOLIAR BROADCAST APPLIC OF 2 PT/A; APPLY IN SPRING, BUT NO LATER THAN EARLY BOLTING; RAIN IS REQUIRED TO INCORPORATE THE PRODUCT; PER MFG. PSOT EMERGENCE ONLY AT 0.665 PT/A: 03/22;

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 4

Comments: NO KEY EXPORT MARKET NOTED; MFG CHANGED STATUS TO RESIDUE ONLY:05/20; EPA GREEN: 08/20; PER MFG. PSOT EMERGENCE ONLY AT 0.665 PT/A: 03/22; STUDY DELAYED UNTIL 2022 FIELD SEASON. 4/22;UPON FURTHER DISCUSSION WITH STAKEHOLDERS, THIS NEEDS TO BE REPRIORITIZED AT A FUTURE FOOD USE WORKSHOP BASED ON CURRENT USE PATTERNS: 04/22; EPA GREEN 08/22, 08/23; 2021 field trials (CA22, ID166, ID167, SD300 and SD301) not conducted. New A Priority obtained at 2023 FUW":09/23/sb

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-ND198	Jia, Quan Zai
24-OH*227	Horst, Leona
24-OH226	Robinson, Allison
24-SD299	Reicks, Graig



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13000	24-CAR07	A	MOORE,P	CHLORANTRANILIPROLE (FMC)	HEMP	MISC GROUP (99)

Reason for Need: LEPIDOPTERA, WHITEFLY; NOTHING REGISTERED

Use Pattern: (PCR): USE THE CORAGEN PRODUCT; MAKE UP TO 4 APPLIC PER CROP (FOLIAR, CHEMIGATION, DRENCH) OF 0.045-0.098 LB AI/A, 3-10 DAY INTERVAL, 7-DAY PHI

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 5 fiber, 3 cbd & 2 gh (cbd) (processing on fiber & cbd) (decline on fiber)

Comments: REQUEST IS FOR FIELD AND GH USE; NO KEY EXPORT MARKET NOTED:05/20; EPA GREEN:08/20, 08/22; YELLOW 08/23

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-WI16 (CBD)(GH)	Chapman, Scott
24-OH228 (fiber)	Robinson, Allison
24-OH229 (fiber)	Robinson, Allison
24-WI338 (fiber)	Heider, Daniel J.
24-WI339 (fiber)(decline)	Heider, Daniel J.
24-WI340 (fiber)(processing)	Chapman, Scott
24-OH17 (CBD)(GH)	Robinson, Allison

24-NC175 (CBD)(Field)(processing)	Smith, Stephen C
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24-CA18 (CBD) (Field)	Leach, Nathan
24-CA19 (CBD)(field)	Ennes, D. (Kearney)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13000	-NONE	A	AXTELL	CHLORANTRANILIPROLE (FMC)	HEMP	MISC GROUP (99)

Reason for Need: LEPIDOPTERA, WHITEFLY; NOTHING REGISTERED

Use Pattern: (PCR): USE THE CORAGEN PRODUCT; MAKE UP TO 4 APPLIC PER CROP (FOLIAR, CHEMIGATION, DRENCH) OF 0.045-0.098 LB AI/A, 3-10 DAY INTERVAL, 7-DAY PHI

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 5 fiber, 3 cbd & 2 gh (cbd) (processing on fiber & cbd) (decline on fiber)

Comments: REQUEST IS FOR FIELD AND GH USE; NO KEY EXPORT MARKET NOTED:05/20; EPA GREEN:08/20, 08/22; YELLOW 08/23

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-ALP04 Ajayi, Olufemi



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13033	23-CAR10	A	MOORE,P	FENPYROXIMATE (NAI)	HEMP	MISC GROUP (99)

Reason for Need: SPIDER MITES, BROAD MITE HEMP RUST MITES; NO MITICIDES AVAILABLE

Use Pattern: (PCR): USE PORTAL XLO PRODUCT; MAKE 2 FOLIAR APPLIC OF 0.1 LB AI/A, 14-DAY INTERVAL, 7-DAY PHI; USE MINIMUM OF 30 GPA; DO NOT APPLY THROUGH AN IRRIGATION SYSTEM

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 1 2 3 5-2 8 10 12 & any 2 add'l trials (1 decline, 1 cbd proc & 1 fiber proc); 4 Red As for 2024 = 2 fiber incl one with decline & 2 CBD GH

Comments: REQUEST IS FOR FIELD AND GH; NO KEY EXPORT MARKET NOTED:06/20; MFG SUPPORTS, PERFORMANCE AND RESIDUE DATA REQUIRED:07/20; EPA GREEN:08/21, 08/22

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-WI347 Heider, Daniel J.
(decline)(fiber)
24-WI348 Chapman, Scott
(fiber)

24-CA25 Ennes, D. (Kearney)
(CBD)(GH)
24-CA26 Skiles, Keri
(CBD)(GH)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
13011	24-CAR08	A	MOORE,P	ZETA-CYPERMETHRIN (FMC)	HEMP	MISC GROUP (99)

Reason for Need: LEPs, THRIPS, WEEVILS, APHIDS, LYGUS, STINKBUGS; FITS WELL INTO BOTH GREENHOUSE AND FIELD NEEDS; NO CONVENTIONAL PESTICIDES ARE REGISTERED FOR USE IN HEMP; PER KY ME-TOO REQUEST, NEED A BROAD SPECTRUM INSECTICIDE; AR/need conventional products for management of leps, stinkbugs, and potentially lygus09/23

Use Pattern: (PCR): USE THE MUSTANG PRODUCT; MAKE 3-5 FOLIAR APPLIC, 7-14 DAY INTERVAL, 7-DAY PHI; NO OTHER USE PATTERN DETAILS PROVIDED, EXCEPT TO USE PER LABEL DIRECTIONS

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 5 fiber, 3 cbd & 2 gh (cbd) (processing on fiber & cbd) (decline on fiber)

Comments: REQUEST IS FOR FIELD AND GH USE; NO KEY EXPORT MARKET NOTED:06/20; EPA CAUTION:08/20; Mfg updated status at the 2023 FUW from Potential: E/CS data before approval for Residue, to Researchable, Residue & E/CS Data Needed:09/23/sb; EPA Green 12/23;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-WI24 Chapman, Scott
(CBD)(GH)
24-OH230 Robinson, Allison
(fiber)
24-WI342 Chapman, Scott
(fiber)(decline)
24-WI343 Chapman, Scott
(fiber)
24-WI341 Heider, Daniel J.
(fiber)(processing)

24-NC176 Smith, Stephen C
(CBD)(Field)

24-CA22 Ennes, D. (Kearney)
(fiber)
24-CA21 Leach, Nathan
(CBD)(field)
24-CA20 Skiles, Keri
(CBD)(field)(processing)
24-CA23 Ennes, D. (Kearney)
(CBD)(GH)



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13011	-NONE	A	AXTELL	ZETA-CYPERMETHRIN (FMC)	HEMP	MISC GROUP (99)
<p><u>Reason for Need:</u> LEPS, THRIPS, WEEVILS, APHIDS, LYGUS, STINKBUGS; FITS WELL INTO BOTH GREENHOUSE AND FIELD NEEDS; NO CONVENTIONAL PESTICIDES ARE REGISTERED FOR USE IN HEMP; PER KY ME-TOO REQUEST, NEED A BROAD SPECTRUM INSECTICIDE; AR/need conventional products for management of leps, stinkbugs, and potentially lygus09/23</p> <p><u>Use Pattern: (PCR):</u> USE THE MUSTANG PRODUCT; MAKE 3-5 FOLIAR APPLIC, 7-14 DAY INTERVAL, 7-DAY PHI; NO OTHER USE PATTERN DETAILS PROVIDED, EXCEPT TO USE PER LABEL DIRECTIONS</p> <p><u>E/CS Data Requirements:</u></p> <p><u>E/CS Research Comments:</u></p> <p><u>IR-4 Residue Trial Plan:</u> 5 fiber, 3 cbd & 2 gh (cbd) (processing on fiber & cbd) (decline on fiber)</p> <p><u>Comments:</u> REQUEST IS FOR FIELD AND GH USE; NO KEY EXPORT MARKET NOTED:06/20; EPA CAUTION:08/20; Mfg updated status at the 2023 FUW from Potential: E/CS data before approval for Residue, to Researchable, Residue & E/CS Data Needed:09/23/sb; EPA Green 12/23;</p>						
<u>NER-EPA Region-FRD</u>		<u>NCR-EPA Region-FRD</u>		<u>SOR-EPA Region-FRD</u>		<u>CANADA-EPA Region-FRD</u>
						24-ORP03 Shrestha, Govinda
						24-ORP04 Shrestha, Govinda



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13093	24-CAR09	A	DINEEN	FLUAZAINDOLIZINE (CORTEVA)	HOPS	MISC GROUP (99)

Reason for Need: ROOT-KNOT NEMATODES; NO PRODUCTS LABELED

Use Pattern: (PCR): USE THE REKLEMEL PRODUCT (SALIBRO; AI ALSO FLUAZAINDOLIZINE); MAKE 1-3 SOIL APPIC VIA DRIP, DRENCH OR SPRAY, OF 1.0 LB AI/A PER YEAR, MINIMUM 2-WEEK INTERVAL; NO PHI NOTED (IR-4 SUGGESTS 1 LB AI/A, TWO SOIL APPLIC, 14-28 DAY INTERVAL, 20-DAY OR LESS PHI)

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: Any 4

Comments: NO KEY EXPORT MARKETS NOTED:07/20; CORTEVA SUPPORTS FL REQUEST FOR RESIDUE TRIALS ON HOPS, AS THE PRIMARY SPECIES THERE IS THE ROOT KNOT NEMATODE MELOIDOGYNE JAVANICA, AND SALIBRO WOULD HAVE A NICE FIT; CORTEVA WOULD ALSO SUPPORT PERFORMANCE RESEARCH TO MORE FULLY CHARACTERIZE SALIBRO EFFICACY PROFILE ON OTHER NEMATODE SPECIES IN HOPS, BEFORE PROCEEDING WITH RESIDUE TRIALS:08/20; EPA GREEN:08/21

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-WI349 Heider, Daniel J.

24-ID140 Meeks, Mr. Will
24-OR257 Lightle, Dani
24-WA317 Peng, Wilson
24-WA318 Peng, Wilson



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>										
P13505	-	A	PATEL	MEFENTRIFLUCONAZOLE (BASF)	HOPS	MISC GROUP (99)										
<p><u>Reason for Need:</u> POWDERY MILDEW; MEFENTRIFLUCONAZOLE HAS DOCUMENTED EFFICACY AGAINST HOP POWDERY MILDEW. FRAC GROUP 3 FUNGICIDES ARE IMPORTANT FOR MANAGEMENT OF THIS DISEASE, BEING USED MULTIPLE TIMES PER YEAR, AS PRODUCERS MUST HAVE ROTATE MULTIPLE MODES OF ACTION FOR RESISTANCE MANAGEMENT. MEFENTRIFLUCONAZOLE IS CONSIDERED A REDUCED-RISK FUNGICIDE, AND THEREFORE ITS USE IN AN OVERALL DISEASE MANAGEMENT PROGRAM WILL ENABLE THIS FRAC GROUP TO CONTINUE TO BE USED BUT WITH LESS RISK TO NON-TARGET ORGANISMS AND HUMANS;</p> <p><u>Use Pattern: (PCR):</u> CEVYA; DOSE RATE 3 TO 5 FL OZ/A (0.1 - 0.13 LBS AI/A), FOLIAR APPLICATION, UP TO 3 APPLICATIONS PER SEASON (MAX 15 FL OZ PER SEASON), RTI MINIMUM 7 DAYS, PHI 14 DAYS; APPLY CEVYA PRIOR TO DISEASE DEVELOPMENT; DO NOT APPLY MORE THAN 5 FL OZ /A IN A SINGLE APPLICATION</p> <p><u>E/CS Data Requirements:</u> BASF REQUIRES AT LEAST 4 EFFICACY TRIALS IN HOPS TO EVALUATE CROP SAFETY FROM EXAGGERATED RATES; BASF WILL COST SHARE 50% FOR THE E/CS TRIALS AND WILL ASSIST IN PROTOCOL DEVELOPMENT</p> <p><u>E/CS Research Comments:</u> IN THE 2023 PERFORMANCE PROTOCOL:TESTING EFFICACY AND CROP SAFETY OF CEVYA FUNGICIDE FOR POWDERY MILDEW CONTROL; TESTING 3 RATES OF CEVYA (3, 5, 10 FL OZ/A) VS THE 5 OZ RATE + INDUCE OR OTHER ADJUVANT VS CEVYA 5 OZ + A COMMON INSECTICIDE VS A STANDARD FUNGICIDE TREATMENT; MAKE 3 APPLIC AT 7-DAY INTERVALS, BEGINNING PREVENTATIVELY OR AT FIRST SIGNS OF DISEASE; EVALUATE EFFICACY, YIELD AND CROP INJURY</p> <p><u>IR-4 Residue Trial Plan:</u> 5 /11/ 12-4 (ANY 4 TRIALS)</p> <p><u>Comments:</u></p>																
<table><tr><td><u>NER-EPA Region-FRD</u></td><td><u>NCR-EPA Region-FRD</u></td><td><u>SOR-EPA Region-FRD</u></td><td><u>WSR-EPA Region-FRD</u></td><td><u>CANADA-EPA Region-FRD</u></td></tr><tr><td></td><td></td><td></td><td>24-ORP10</td><td>Gent, D. H.</td></tr></table>							<u>NER-EPA Region-FRD</u>	<u>NCR-EPA Region-FRD</u>	<u>SOR-EPA Region-FRD</u>	<u>WSR-EPA Region-FRD</u>	<u>CANADA-EPA Region-FRD</u>				24-ORP10	Gent, D. H.
<u>NER-EPA Region-FRD</u>	<u>NCR-EPA Region-FRD</u>	<u>SOR-EPA Region-FRD</u>	<u>WSR-EPA Region-FRD</u>	<u>CANADA-EPA Region-FRD</u>												
			24-ORP10	Gent, D. H.												



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
13736	24-CAR18	A	DINEEN	PROPAMOCARB-HCL (ARYLSB,BAYER)	HOPS	MISC GROUP (99)

Reason for Need: Downy mildew, Excellent IPM fit:08/23

Use Pattern: (PCR): Use Previcure Flex; 1.5 lbs a.i./A; 2 foliar sprays; RTI: 7-14 days; PHI: 21 days; Foliar applications in minimum of 80 gallons/A

E/CS Data Requirements: No add'l performance data is required:01/24

E/CS Research Comments: Performance data already shared with Bayer is sufficient to support a suppression claim and Bayer agreed no add'l data is needed:01/24

IR-4 Residue Trial Plan: Any 4; NAFTA 5, 11-3, 12

Comments: Mfg supported at the 2023 FUW as Researchable, Residue & E/CS Data Needed:09/23/sb; EPA Green 12/23; Bayer has sufficient e/cs data, so the status is being changed from Researchable, Residue & E/CS data needed, to Researchable, only Residue Data is Needed:01/24/sb

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-WI364 Heider, Daniel J.

24-ID148 Meeks, Mr. Will
24-OR276 Lightle, Dani
24-WA329 Peng, Wilson
24-WA330 Peng, Wilson



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13736	-NONE	A	PATEL	PROPAMOCARB-HCL (ARYLSB,BAYER)	HOPS	MISC GROUP (99)

Reason for Need: Downy mildew, Excellent IPM fit:08/23

Use Pattern: (PCR): Use Previcure Flex; 1.5 lbs a.i./A; 2 foliar sprays; RTI: 7-14 days; PHI: 21 days; Foliar applications in minimum of 80 gallons/A

E/CS Data Requirements: No add'l performance data is required:01/24

E/CS Research Comments: Performance data already shared with Bayer is sufficient to support a suppression claim and Bayer agreed no add'l data is needed:01/24

IR-4 Residue Trial Plan: Any 4; NAFTA 5, 11-3, 12

Comments: Mfg supported at the 2023 FUW as Researchable, Residue & E/CS Data Needed:09/23/sb; EPA Green 12/23; Bayer has sufficient e/cs data, so the status is being changed from Researchable, Residue & E/CS data needed, to Researchable, only Residue Data is Needed:01/24/sb

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-MIP12 Miles, Timothy



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13282	-NONE	A	BATTS	TIAFENACIL (ISK)	HOPS	MISC GROUP (99)

Reason for Need: CANADA THISTLE, ITALIAN RYEGRASS, KOCHIA OTHER ANNUAL DICOTS, AND MONOCOTS; POTENTIAL REPLACEMENT FOR PARAQUAT IN HOPS ACTIVITIES IN GRASSES WILL IMPROVE WEED CONTROL COMPARED TO CARFENTRAZONE

Use Pattern: (PCR): REVITON OR DCC-3825; 25-50 G AI/HA (10-30.3 G AI/A); 3 APPLICATIONS WITH 21 DAY RE-TREATMENT INTERVAL; SPRAY APPLICATION BASAL DIRECTED IN SEASON AND BROADCAST OVER THE TOP IN DORMANT AND SPRING PRUNING; WITH THE FOLLOWING LIMITATIONS DCC 3825 HERBICIDE IS A CONTACT HERBICIDE FOR DIRECTED SPRAY APPLICATION TO THE BASAL PORTION, MAX RATE 30 G AI/A. 3 APPLICATIONS PER SEASON; HOP PLANTS MUST BE 6 FT TALL; DO NOT SPRAY THE GROWING TIPS OF THE SHOOTS AFTER TRAINING

E/CS Data Requirements:

E/CS Research Comments: IN THE PERFORMANCE PROTOCOL FOR 2022 TRIALS: EVALUATING PERFORMANCE OF TIAFENACIL (REVITON 2.83 SC); EACH TRIAL WILL LAST 2 YEARS, WITH TREATMENTS APPLIED TO THE SAME PLOTS IN YEAR 2; TESTING 2 RATES OF REVITON (0.044 AND 0.088 LB AI/A, PLUS A METHYLATED SEED OIL [MSO] AT 1% V/V AND AMMONIUM SULFATE [AMS] AT 8.5 LB/100 GAL OF SPRAY SOLUTION), IN 15-20 GPA, COMPARED TO THE STANDARD CARFENTRAZONE; IN EACH REVITON TREATMENT MAKE 3 APPLIC (SEE PROTOCOL FOR DETAILED APPLIC TIMINGS AND OTHER REQUIREMENTS); EVALUATE CROP INJURY, DEFOLIATION, CROP HEIGHT, CROP YIELD AND WEED CONTROL; THE 2023 PERFORMANCE PROTOCOL CONTINUES TRIALS BEGUN IN 2022, ON THE SAME PLOTS

IR-4 Residue Trial Plan: 5 11 12-4

Comments: ALL DATA FROM PR# XH563 WAS MOVED TO P STUDY FOR THIS PR#: 07/21; CATEGORY CHANGED FROM RESEARCHABLE, RESIDUE & E/CS DATA NEEDED BEFORE APPROVAL FOR RESIDUE STUDY TO E/CS DATA ONGOING:12/21

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-IDP01 Weeks, Mr. Will



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>																				
13165	23-YAR02	A	WELKER	S-METOLACHLOR/METOLAC HLOR (SYNGEN,UPL NA)	PERENNIAL PEANUTS (PASTURE)	MISC GROUP (99)																				
<p><u>Reason for Need:</u> ANNUAL GRASSES, SEDGES, AND SMALL-SEEDED BROADLEAF WEEDS INCLUDING TROPICAL SPIDERWORT; THERE IS NO PREEMERGENCE HERBICIDE LABELED FOR PERENNIAL PEANUT; ADDITIONALLY, THERE ARE LIMITED POSTEMERGENCE HERBICIDE PRODUCTS LABELED FOR THIS CROP</p> <p><u>Use Pattern: (PCR):</u> USE THE DUAL MAGNUM PRODUCT; MAKE 2 APPLIC TO THE SOIL OF 1-1.33 PT/A (0.95-1.27 LB AI/A), IN A MINIMUM 10 GPA, AT LEAST 60 DAYS APART, 30-DAY PHI; APPLY AFTER PLANTING/SPRINGING PEANUT BUT PRIOR TO EMERGENCE; APPLY AFTER CUTTING BUT BEFORE PERENNIAL PEANUT STARTS GROWING ACTIVELY; APPLY DURING DORMANT SEASON WHILE PERENNIAL PEANUTS ARE NOT GROWING; DO NOT APPLY ON A MIXED STAND OF PERENNIAL PEANUT AND PERENNIAL FORAGE PASTURE</p> <p><u>E/CS Data Requirements:</u></p> <p><u>E/CS Research Comments:</u> IN THE 2023 PERFORMANCE PROTOCOL: TESTING 3 RATES OF DUAL MAGNUM (0.95, 1.27, 2.53 LB AI/A) VS A WEED-FREE CONTROL; MAKE 3 BROADCAST APPLIC OF EACH TREATMENT, IN AT LEAST 10 GPA; FOR EACH TREATMENT FIRST APPLIC IS MADE PRE-EMERGE (AFTER RHIZHOME PLANTING BUT PRIOR TO CROP/WEED EMERGENCE), FOLLOWED BY 2ND APPLIC PRE-CUT (ABOUT 30 DAYS BEFORE FIRST CUTTING OF FOLIAGE AFTER OVERWINTERING), FOLLOWED BY 3RD APPLIC POST-CUT (WITHIN 14 DAYS AFTER FIRST CUTTING OF FOLIAGE FOLLOWING OVERWINTERING); EVALUATE CROP INJURY, WEED CONTROL AND CROP YIELD</p> <p><u>IR-4 Residue Trial Plan:</u> Southern Region over 2 years for regional registration; 3 trials needed for 2024 season;</p> <p><u>Comments:</u> NO KEY EXPORT MARKET NOTED; THERE ARE TOLERANCES FOR S-MOC IN PEANUT, PEANUT HAY AND PEANUT MEAL, BUT MUST COMPARE THE USE PATTERN SUPPORTING THOSE TOLERANCES COMPARED WITH THE USE PATTERN REQUESTED HERE:08/20; SYNG SUPPORTS, RESIDUE AND E/CS DATA NEEDED:09/20; EPA GREEN:08/21, 08/22</p>																										
<table><tr><th><u>NER-EPA Region-FRD</u></th><th><u>NCR-EPA Region-FRD</u></th><th><u>SOR-EPA Region-FRD</u></th><th><u>WSR-EPA Region-FRD</u></th><th><u>CANADA-EPA Region-FRD</u></th></tr><tr><td></td><td></td><td>24-FL101 Thomas, Darrell</td><td></td><td></td></tr><tr><td></td><td></td><td>24-FL100 Long, Michael</td><td></td><td></td></tr><tr><td></td><td></td><td>24-GA*120 Fraelich, Ben</td><td></td><td></td></tr></table>							<u>NER-EPA Region-FRD</u>	<u>NCR-EPA Region-FRD</u>	<u>SOR-EPA Region-FRD</u>	<u>WSR-EPA Region-FRD</u>	<u>CANADA-EPA Region-FRD</u>			24-FL101 Thomas, Darrell					24-FL100 Long, Michael					24-GA*120 Fraelich, Ben		
<u>NER-EPA Region-FRD</u>	<u>NCR-EPA Region-FRD</u>	<u>SOR-EPA Region-FRD</u>	<u>WSR-EPA Region-FRD</u>	<u>CANADA-EPA Region-FRD</u>																						
		24-FL101 Thomas, Darrell																								
		24-FL100 Long, Michael																								
		24-GA*120 Fraelich, Ben																								



2024 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 3/11/2024

	NER	NCR	SOR	WSR	CANADA
ARS Total:		14	20	18	
Region Total:	43	83	124	187	17
Total:	43	97	144	205	17

Grand Trial Total:	506
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Total # of PRs:	107
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Total # Chemical:	62
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Total # Commodity:	74
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