



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
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

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



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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

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; Canadian residue protocol signed 3/22/24 & status updated to Residue On-Going; E/CS Data on-Going:03/24/sb

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.



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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

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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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

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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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

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



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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

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



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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

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



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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

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



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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:

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

24-CAP29

Del Castillo Múnica, Johi



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P12975	-NONE	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

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

24-CTP01 Kodati, Srikanth
24-NYP07 Heck, Daniel

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



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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>
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

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13779	-NONE	A	PATEL	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 alternaterd 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:

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; Status updated from "Researchable, Residue & ECS needed" to "ECS ongoing 03/24/DRS"; Status changed to "Residue ongoing 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-GAP05 Dutta, Bhabesh

24-CAP26 Zukoff, Sarah
24-AZP05 Hu, Alex



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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	-NONE	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

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

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-MIP05 Hausbeck, Dr. Mary K.

24-CAP09 Del Castillo Múnera, Joh:



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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

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;

NER-EPA Region-FRD

24-DEP01 VanGessel, M.
24-MDP02 Vollmer, Kurt

NCR-EPA Region-FRD

24-INP01 Meyers, Stephen L (NCR)
24-OHP05 Robinson, Allison

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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	-NONE	A	PATEL	INPYRFLUXAM (VALENT)	TOMATO	TOMATO SUBGROUP (08-10A)

Reason for Need: 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

Use Pattern: (PCR): EXCALIA; DOSE RATE 10 FL IZ/A

E/CS Data Requirements:

E/CS Research Comments: 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

Comments:

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-FLP10 Vallad, Gary

24-CAP14 Sidhu, Jaspreet



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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	-NONE	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>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 Tickes, B.



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
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

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
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

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



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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

Comments: ISK supports as Researchable, Res & E/CS data needed based on their email 8/22/03/24sb; 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-OHP04 Robinson, Allison

24-FLP04 Dittmar, Dr. Peter

24-CAP03 Hanson, Brad
24-CAP13 Hanson, Brad



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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

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 Efficacy/Crop Safety (E/CS) Only

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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

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



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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>
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

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



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Print Date: 4/4/2024

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P13633	-NONE	A	PATEL	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:

Comments: EPA GREEN: 08/23; 6/23 reply from Syngenta indicates they support as Researachable, needs E/CS and Residue data:03/24/sb; Status changed from "Researchable, Res and ECS data needed" to "ECS ongoing" 03/24/DRS; Status changed to Res ongoing 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-FLP14 Stauderman, Karen

24-CAP17 Adaskaveg, Dr. James



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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

Comments: EPA GREEN: 08/23; 6/23 reply from Syngenta indicates they support as Researachable, needs E/CS and Residue data:03/24/sb; E/CS ongoing, status will be changed to "Residue ongoing, E/CS ongoing" once residue protocol is signed 02/24/DRS; Status changed to Res ongoing 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-CAP16 Adaskaveg, Dr. James



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

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P11808	-NONE	A	AXTELL	CYFLUMETOFEN (BASF)	CANEBERRY	CANEBERRY SUBGROUP (13-07A)

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

Use Pattern: (PCR): USE THE NEALTA PRODUCT; MAKE 2 FOLIAR APPLIC OF 13.7 FLUID OZ/A, 10-14 DAY INTERVAL, 1-DAY PHI

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

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,

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

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-CAP07 Bolda, Mr. Mark



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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

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, AAFC23-007R; 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-CAP28 Zukoff, Sarah



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

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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

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



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P13709	-NONE	+	BATTS	FLUROXYPYR (CORTEVA,LOVLND)	BLUEBERRY	BUSHBERRY SUBGROUP (13-07B)

Reason for Need: 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

Use Pattern: (PCR): 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.

E/CS Data Requirements: Mfg requires 'only CS data are needed from major blueberry growing states such as Michigan

E/CS Research Comments: 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

Comments: 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;

NER-EPA Region-FRD

24-NJP01 Besancon, Thierry

NCR-EPA Region-FRD

24-INP02 Meyers, Stephen L (NCR)

SOR-EPA Region-FRD

WSR-EPA Region-FRD

24-ORP06 Moretti, Marcelo

CANADA-EPA Region-FRD



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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

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; Status changed to "Residue ongoing ECS ongoing" 03/24/DRS;

NER-EPA Region-FRD

NCR-EPA Region-FRD

24-MIP09 Miles, Timothy

SOR-EPA Region-FRD

24-NCP09 Cline, Mr. William
24-GAP04 Oliver, Jonathan

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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

Comments: PLEASE SEE PR# 09052; TOLERANCE ESTABLISHED; NEED E/CS DATA ON CHILI THRIPS; ADAMA supports as E/CS data only needed based on their email 10/22:03/24sb; Performance 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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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

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; Status changed to E"CS data ongoing" , awaiting residue protocol 02/24/DRS; Status changed to "Residue ongoing ECS ongoing" 03/24/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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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:

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12579	-NONE	+	BATTS	FLUMIOXAZIN + PYROXASULFONE (KICHEM, VALENT)	STRAWBERRY	LOW GROWING BERRY SUBGROUP (13-07G)

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

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

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

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

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

NER-EPA Region-FRD

24-MDP01 Vollmer, Kurt (MD)

NCR-EPA Region-FRD

SOR-EPA Region-FRD

24-ALP02 Vinson, Edgar
24-FLP01 Boyd, Nathan

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
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 the 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:

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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)

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:

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-AZP03 Hu, Alex



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

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Print Date: 4/4/2024

<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

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; Status changed to Res ongoing 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-ORP07	Kaur, Navneet
24-ORP15	Kaur, Navneet



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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>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; Res ongoing ECS ongoing 03/24/DRS</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-TXP03</td><td>Baughman, Todd A (TX)</td><td></td></tr><tr><td></td><td></td><td>24-TXP01</td><td>Grichar, W. James</td><td></td></tr><tr><td></td><td></td><td>24-ARP03</td><td>Wright Smith, Hannah</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-TXP03	Baughman, Todd A (TX)				24-TXP01	Grichar, W. James				24-ARP03	Wright Smith, Hannah	
<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>																						
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2024 Tentative/Scheduled Studies Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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)

Reason for Need: WEEDS SUCH AS PIGWEED, JOHNSONGRASS, MORNING GLORY, CRABGRASS, KOCHIA, HORSEWEED

Use Pattern: (PCR): 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)

E/CS Data Requirements: 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

E/CS Research Comments: 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)

Comments: 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

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-TXP02 De La Fuente, Gerald



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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	-NONE	A	AXTELL	AFIDOPYROPEN (BASF)	SAFFLOWER	SUNFLOWER SUBGROUP (20B)

Reason for Need: 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

Use Pattern: (PCR): FOLIAR APPLICATION AT 14 OZ/A, .0459375 LBS AI/A; 2 APPLICATIONS WITH A SEVEN DAY RETREATMENT INTERVAL AND A PHI OF 14 DAYS; APPLY TO SAFFLOWER FOLIAGE IN 5-10 GALLONS OF WATER BY AIR OR BY GROUND; DO NOT APPLY MORE THAN 28 FL OZ/A PER GROWING SEASON; BASF RECOMMENDS A PHI OF 7 DAYS:09/22

E/CS Data Requirements: 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

E/CS Research Comments: 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

Comments: 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

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-CAP12 Clark, Nicholas



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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	-NONE	+	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

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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	-NONE	+	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:

Comments: EPA GREEN: 08/23; Mfg supports as 'Potential: E/CS Data Before Approval For Residue:08/23/sb; Status updated to E/CS 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-FLP13 Beuzelin, Julien
24-FLP18 Mészáros, Anna



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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:

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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

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; Status changed from "Researchable, Residue & E/CS Data Needed"to "E/CS ongoing" 02/24/DRS; Status changed to "Residue ongoing 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-FLP17 Gazis, Dr. Romina



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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:

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; Status changed to Residue ongoing E/CS 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-FLP05 Carrillo, D.

24-HIP01 Zhang, Zhening



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13771	-NONE	A	PATEL	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:

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-FLP20 Gazis, Dr. Romina



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P13075	-NONE	A	PATEL	PENTHIOPYRAD (CORTEVA)	AVOCADO	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, SMOOTH, INEDIBLE PEEL SUBGROUP (24B)

Reason for Need: ANTHRACNOSE AND OTHER FLOWER/FRUIT PATHOGENS; POTENTIAL FOR LAUREL WILT CONTROL; NEEDED TO PREVENT POST-HARVEST DISEASES AND MAINTAIN FRUIT QUALITY

Use Pattern: (PCR): USE THE FONTELIS PRODUCT; MAKE 3 FOLIAR DIRECTED APPLIC OF 0.313 LB AI/A, 10-DAY INTERVAL, 0-DAY PHI; INCLUDE AN ADJUVANT; FONTELIS 200 SC AT 24 FL OZ/A (1X) AND 48 FL OZ/A (2X); 80-200 GPA: 02/22;

E/CS Data Requirements: MFG REQUESTS 3-5 GOOD EFFICACY TRIALS TO REGISTER THIS USE, INCLUDING DATA FROM AT LEAST 1 CA TRIAL:12/20

E/CS Research Comments: IN THE 2021 PERFORMANCE PROTOCOL: EVALUATING PRODUCT PERFORMANCE ON COMMERCIAL VARIETIES SUSCEPTIBLE TO ANTHRACNOSE; TESTING 2 RATES OF FONTELIS 200 SC FUNGICIDE, 0.313 AND 0.626 LB AI/A APPLIED FOLIAR DIRECTED 3 TIMES AT 10-DAY INTERVALS, VS PRISTINE AS A STANDARD APPLIED FOLIAR DIRECTED TWICE AT A 7-DAY INTERVAL; SPRAY VOLUME IS 80-200 GPA FOR BOTH PRODUCTS, AND A NON-IONIC SURFACTANT SHOULD BE INCLUDED AT NO MORE THAN A 0.08% RATE; EVALUATE CROP INJURY AFTER EACH APPLIC AND AT TRIAL CONCLUSION; EVALUATE HARVESTED FRUIT FOR INCIDENCE AND SEVERITY OF ANTHRACNOSE; EVALUATE FOLIAR DISEASE SEVERITY BY ASSESSING PERCENTAGE OF CANOPY AFFECTED BY ANTHRACNOSE; CROP YIELD DATA ARE NOT REQUIRED; IN THE 2022 PERFORMANCE PROTOCOL, TREATMENTS AND ALL OTHER PROTOCOL DETAILS DUPLICATE WHAT WAS REQUIRED IN THE 2021 PROTOCOL; THE 2023 PERFORMANCE PROTOCOL FOR A CA TRIAL IS SIMILAR TO 2021 AND 2022 PROTOCOLS, EXCEPT DISEASE INOCULATION WILL BE NEEDED TO ENSURE ROBUST DATA; E/CS field trials are still ongoing:05/23/sb

Comments: IS A LIKELY EXPORT COMMODITY, BUT NO KEY EXPORT MARKET NOTED; THIS USE, ALONG WITH THE ACTIVE IR-4 BANANA STUDY (PR#11307), COULD SUPPORT A SUBGROUP 24B TOLERANCE AND COVER MANY CROPS, LIKE POMEGRANATE (PR#13514) AND MANGO (PR#12997):06/20; CORTEVA SUPPORTS THIS REQUEST, AND MINIMALLY WOULD NEED RESIDUE AND CROP SAFETY DATA:08/20; EPA GREEN:12/20; All residue data has been rec'd at HQ & E/CS field trials are still ongoing:05/23/sb

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-PRP05 Robles Vazquez, W.
\$ from 22-PRP06 + \$2000 from 24



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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>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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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)

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 Rinksor™ 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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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:

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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	-NONE	A	PATEL	FLUDIOXONIL + PYDIFLUMETOFEN (SYNGEN)	BASIL	HERB FRESH AND DRIED LEAVES SUBGROUP (25AB)

Reason for Need: 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

Use Pattern: (PCR): 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

E/CS Data Requirements: SOME NJ EFFICACY DATA FROM 2019 AND 2020 WILL BE AVAILABLE:07/20

E/CS Research Comments: 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

Comments: 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

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

24-NCP05 Quesada, Dr. Lina Maria



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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	-NONE	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

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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:

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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:

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 Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

<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)

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 oxathiapiiprolin alone (PR 11883). Syngenta does not support the sole ai, but supports the premix, oxathiapiiprolin + 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:

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-HIP02 Coughlin, Julie



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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>
P13522	-NONE	A	BATTS	SAFLUFENACIL (BASF)	FIELD PENNYCRESS (OIL SEED)	MISC GROUP (99)
<p><u>Reason for Need:</u> HARVEST AID/DESSICATION; 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 PENNYCRESS 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>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>						
<div><div><u>NER-EPA Region-FRD</u></div><div>24-MNP01 Bernards, Mark 24-MNP02 Bernards, Mark 24-MOP01 Smeda, Reid J.</div></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>						



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Print Date: 4/4/2024

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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:

Comments: REQUEST IS FOR FIELD AND GH USE; NO KEY EXPORT MARKET NOTED:05/20; EPA GREEN:08/20, 08/22; YELLOW 08/23; E/CS trial includes PR#13011 03/24/DRS; Status changed to "ECS ongoing", and will change to "Res ongoing ECS ongoing" when res 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-ALP04 Ajayi, Olufemi

24-ORP16 Shrestha, Govinda



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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>
P13505	-NONE	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>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-ORP10 Gent, D. H.



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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

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

Meeks, Mr. Will



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

(Order by Crop Group, Commodity, Chemical)

Print Date: 4/4/2024

	NER	NCR	SOR	WSR	CANADA
ARS Total:		0	0	0	
Region Total:	18	20	50	49	0
Total:	18	20	50	49	0

Grand Trial Total:	137
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Total # of PRs:	68
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Total # Chemical:	46
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Total # Commodity:	53
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