2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12614	-NONE	B	PIKE	ISM-555 (TBD)	CARROT	ROOT VEGETABLES SUBGROUPS (01AB)

Reason for Need: SEED CORN MAGGOT; DIAZINON (ORGANOPHOSPHATE) REPLACEMENT

Use Pattern: (PCR): USE THE ISM-555 PRODUCT; MAKE ONE APPLIC AS A SEED TREATMENT; 75-DAY PHI; NO USE RATE PROVIDED

E/CS Data Requirements: MFG REQUESTS DATA FROM 2 TRIALS IN CA, BUT THIS PEST IS NOT A CONCERN THERE; MFG IS OK WITH JUST SEED SAFETY TRIALS:11/20

E/CS Research Comments:

Comments: EXPORT MARKET NOTED AS JAPAN; ALTHOUGH THIS REQUEST IS FOR USE AS A SEED TREATMENT, IR-4 SUGGESTS THAT A RESIDUE PROTOCOL SHOULD COVER ALL APPLIC TYPES (SEED, SOIL, FOLIAR):08/18; MFG MADE RESEARCHABLE BY 9/13/18 EMAIL:09/18; WAS SELECTED AS PRIORITY "A" AT 2018 FUW, BUT MFG DECIDED USE DIRECTIONS NEED TO BE FURTHER DEFINED BEFORE SUPPORTING RESIDUE WORK; THUS, THIS STUDY IS REMOVED FROM THE IR-4 2019 RESEARCH PLAN AND PLACED IN STATUS CATEGORY "POTENTIAL":12/18

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
21-NYP01 Gilrein, Dan (efficacy & crop safety)			21-CAP01 Mauk, Peggy A (crop safety only) 21-CAP02 Grettenberger, Dr. Ian (crop safety only)	

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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13157	-NONE	A	HOMA	FLUOXAPIPROLIN (BAYER)	GINSENG	ROOT VEGETABLES SUBGROUPS (01AB)

Reason for Need: PHYTOPHTHORA LEAF BLIGHT AND ROOT ROT; NEEDED DUE TO RESISTANCE TO MEFENOXAM; OTHER EFFECTIVE FUNGICIDES HAVE FEW APPLICATIONS AVAILABLE; PER WI ME-TOO REQUEST: MORE TOOLS ARE NEEDED FOR ROOT ROT DISEASE

Use Pattern: (PCR): MAKE 3 HEAVY FOLIAR APPLIC; 7-DAY PHI; APPLY IN ALTERNATION WITH OTHER MOA PRODUCTS; NO OTHER USE PATTERN INFO PROVIDED BY REQUESTOR; IR-4 HQ SUGGESTS CONSIDERATION OF 13.69 OZ/A OF THE 20 SC PRODUCT

E/CS Data Requirements:

E/CS Research Comments:

Comments: TAIWAN AND CHINA NOTED AS KEY EXPORT MARKETS:08/20; FOLIAR APPLIC IS SUPPORTED, BUT MAYBE NOT HEAVY FOLIAR APPLIC; MUST BE APPLIED WITH ANOTHER PHYTOPHTHORA PRODUCT:09/20; RESEARCHABLE, CATEGORY OF RESIDUE & E/CS DATA NEEDED WAS CHANGED TO E/CS DATA ONGOING 02/21, AND WILL UPDATE TO RESIDUE DONE/ONGOING; E/CS DONE/ONGOING ONCE THE RESIDUE PROTOCOL IS SIGNED:02/21

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
	21-MIP09 Hausbeck, Dr. Mary K.			

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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12906	-NONE	A	HOMA	XDE-659 (CORTEVA)	RADISH	ROOT VEGETABLES SUBGROUPS (01AB)

Reason for Need: ALTERNARIA AND CERCOSPORA FOLIAR BLIGHTS

Use Pattern: (PCR): MAKE FOLIAR APPLIC OF 0.09-0.13 LB AI/A, 10-14 DAY INTERVAL, 1-DAY PHI; MAKE 3 APPLIC PER CROPPING CYCLE, 5 APPLIC PER CALENDAR YEAR; APPLY BY GROUND IN A MINIMUM 30 GPA; DO NOT APPLY BY AIR OR CHEMIGATION; APPLY BEFORE VISIBLE DISEASE SYMPTOMS APPEAR; APPLY IN COMBO WITH A NIS OR NIS BLEND

E/CS Data Requirements:

E/CS Research Comments: PMC/CANADA IS PLANNING TO DO 1 EFF TRIAL IN 2020, TARGETING CERCOSPORA OR ALTERNARIA:12/19; MFG CONFIRMED THEY HAVE NO E/CS DATA ON RADISH:01/20; CANADA PLANNING 3 MORE E/CS TRIALS IN 2021:10/20; IN 2021 2 PERFORMANCE TRIALS ARE PLACED- 1 IN SOUTHERN AND 1 IN NORTH CENTRAL REGIONS: 02/21;

Comments: NO KEY INT'L MARKETS NOTED:09/19; MFG SUPPORTS, RESIDUE ONLY, AND MAY ASSIST WITH SAMPLE ANALYSIS; NOTE - DATA ON TOPS WILL BE COVERED BY, AND COLLECTED IN, GARDEN BEET STUDY PR# 12805:10/19; MFG CONFIRMED THAT E/CS DATA ARE ALSO NEEDED FOR RADISH:01/20;

NER-EPA Region-FRD	NCR-EPA Region-FRD		SOR-EPA Region-FRD		WSR-EPA Region-FRD	CANADA-EPA Region-FRD
	21-MIP03	Hausbeck, Dr. Mary K.	21-FLP03	Vallad, Gary		

2021 Tentative/Scheduled Studies
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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13015	-NONE	+	HOMA	CYAZOFAMID (ISK)	TURNIP (ROOTS)	ROOT VEGETABLES SUBGROUPS (01AB)

Reason for Need: CLUB ROOT; THIS USE IS NEEDED AS LABELED MATERIALS ARE FOR TURNIP GREENS ONLY; NEED OPTIONS FOR TURNIP ROOT PRODUCTION; USE NEEDED FOR DIRECT SEEDED FIELDS; E/CS DATA NEED GENERATED FOR THIS PROJECT

Use Pattern: (PCR): USE THE RANMAN PRODUCT; APPLY AT SEEDING; NO OTHER USE PATTERN DETAILS PROVIDED BY REQUESTOR; PER MFG: CURRENTLY RANMAN IS LABELED FOR CLUB ROOT AND DOWNY MILDEW CONTROL IN BRASSICA VEGETABLES; FOR CLUB ROOT, ONE APPLIC IS MADE AS A TRANSPLANT SOIL DRENCH OR VIA SOIL INCORPORATION (THE AI MUST BE IN THE ROOT ZONE)

E/CS Data Requirements: PER MFG: EFFICACY DATA NEEDS TO BE GENERATED BASED ON HOW ROOT CROP GROWERS WILL USE THE PRODUCT, BEFORE A RESIDUE PROGRAM CAN BE DESIGNED; ISK AGREES THAT 2 TRIALS IN OREGON ARE SUFFICIENT, AND SUGGESTS BOTH BE DONE WITH SOIL INCORPORATION, DIRECT-SEEDED:10/20

E/CS Research Comments: 2 TRIALS CARRIED OUT IN OR IN 2021 BY C. OCAMB: 03/21

Comments: NO KEY EXPORT MARKET NOTED; TOLERANCES EXIST ON GINSENG AND CARROT (DIFFERENT USE PATTERNS) AND FOR SUBGROUP 4-16B:06/20; MFG REQUIRES PERFORMANCE DATA BEFORE APPROVAL FOR RESIDUE WORK:07/20; EPA GREEN:08/20

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
			21-ORP04 Ocamb, Cindy	
			21-ORP05 Ocamb, Cindy	

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Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P11939	-NONE	+	BATTS	FLUMIOXAZIN + PYROXASULFONE (KICHEM,VALENT)	CASSAVA	TUBEROUS AND CORM VEGETABLES SUBGROUPS (01CD)

Reason for Need: WEEDS

Use Pattern: (PCR): USE PYROXASULFONE 85WG; MAKE 2 SOIL APPLIC OF 0.155-0.311 LB PRODUCT/A, 30-DAY INTERVAL, 60-DAY PHI; APPLY IMMEDIATELY POST PLANT AND EARLY POSTEMERGENCE AT FIRST SIGN OF FOLIAGE

E/CS Data Requirements: MFG CONTINUES DOING E/CS WORK IN BRAZIL:07/17; MFG WOULD NEED 3 ADDITIONAL EFFICACY TRIALS:05/19; VALENT HAS A LARGE E/CS PROGRAM IN AFRICA, SO IF 2 IR-4 TRIALS IN 2020 ARE GOOD, SHOULD BE SUFFICIENT:07/20

E/CS Research Comments: IN 2020 PERFORMANCE PROTOCOL: TESTING 2 RATES OF THE FIERCE 76WDG PRODUCT AT 2 DIFFERENT USE PATTERNS, WITH ALL APPLIC IN >15 GPA; TEST THE TREATMENT OF 0.08 LB AI/A PYROX + 0.063 LB AI/A FLUMIOXAZIN, AND THE TREATMENT OF 0.16 LB AI/A PYROX AND 0.126 LB AI/A FLUMIOXAZIN; EACH COMBO RATE WILL BE APPLIED TWICE - PREEMERGENCE BROADCAST FOLLOWED BY POSTEMERGENCE BROADCAST, AS WELL AS PREEMERGENCE BROADCAST FOLLOWED BY POSTEMERGENCE TO ROW MIDDLES ONLY; PREEMERGENCE APPLIC SHOULD BE MADE AFTER CASSAVA STEM SEGMENTS ARE PLANTED; POSTEMERGENCE APPLIC (USING HOODED SPRAYER IS RECOMMENDED, BUT NOT REQUIRED) SHOULD BE MADE 30 DAYS AFTER PREEMERGENCE APPLIC; EACH POSTEMERGENCE APPLIC SHOULD INCLUDE A NONIONIC SURFACTANT AT 0.25% V/V OR A CROP OIL CONCENTRATE AT 1 QT/A; EVALUATE CROP INJURY, BUT NOT WEED CONTROL; CROP YIELD DATA ARE OPTIONAL (IN 2021 PERFORMANCE PROTOCOL, TESTING SAME USE PATTERN AS IN 2020 PROTOCOL)

Comments: CAN BE COVERED WITH A SUBGROUP 1C TOLERANCE, WITH POTATO AS THE REP CROP, IF THE USE PATTERN IS SIMILAR; THERE IS A LACK OF PREPLANT/PREEMERGENCE HERBICIDES; MFG MAY CONDUCT SOME FIELD RESEARCH; MFG INDICATES THAT FROM SOME INT'L WORK, CASSAVA IS TOLERANT OF THE AI, SO MFG SUPPORTS:06/16; MFG CONFIRMED CASSAVA USE PATTERN MATCHES POTATO USE PATTERN, SO TOLERANCE CAN BE COVERED BY POTATO:07/17; BASF NO LONGER SUPPORTS THIS USE OF SOLO PYROXASULFONE, BUT VALENT WILL SUPPORT THE DUAL AI PRODUCT WITH FLUMIOXAZIN (FIERCE); PER KUMIAI REQUEST AND PR REQUESTOR CONCURRENCE, CHEMICAL WAS CHANGED TO THE DUAL AI; NEED TO CONFIRM IF THERE IS NEED FOR RESIDUE DATA TO COVER FLUMIOXAZIN, SINCE THE PYROXASULFONE POTATO USE PATTERN & TOLERANCE APPEAR TO COVER CASSAVA:10/19

NER-EPA Region-FRD **NCR-EPA Region-FRD** **SOR-EPA Region-FRD** **WSR-EPA Region-FRD** **CANADA-EPA Region-FRD**

21-PRP01 Robles Vazquez, W.

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Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P10558	-NONE	A	BATTS	GLUFOSINATE (BASF,UPL NA)	SWEET POTATO	TUBEROUS AND CORM VEGETABLES SUBGROUPS (01CD)

Reason for Need: ANNUAL BROADLEAF WEEDS

Use Pattern: (PCR): PLANT BURNDOWN; 29-43 OZ/A; 1 APPLIC; PER AR ME-TOO, FOR PRE-PLANT BURNDOWN (AND AN ALTERNATIVE FOR BANDED APPLIC IN ROW MIDDLES - SEE PR# 12905)

E/CS Data Requirements: MFG REQUIRES ONLY CROP SAFETY DATA FIRST:09/16; IR-4 CONSIDERS PERFORMANCE RESEARCH IS COMPLETE WITH ONGOING WORK:11/18; SEE NEW MFG CROP SAFETY DATA REQUIREMENTS IN COMMENTS SECTION:08/19

E/CS Research Comments: IN THE 2020 PERFORMANCE PROTOCOL: TESTING 2 RATES (1.57 AND 3.16 LB AI/A) OF THE RELY PRODUCT, IN >15 GPA, EACH AT 3 DIFFERENT TIMINGS (1, 7 AND 14 DAYS BEFORE TRANSPLANTING); EACH TREATMENT WILL BE APPLIED ONCE AS A BROADCAST APPLIC TO PREFORMED BEDS; INCLUDE AMMONIUM SULFATE (AMS) AT 3 LB/A WITH THE LOW RELY RATE AND 6 LB/A WITH THE HIGH RELY RATE; EVALUATE CROP INJURY AND CROP YIELD (INCLUDING TUBER GRADING); NO WEED CONTROL DATA NEEDED

Comments: ORIGINAL REQUEST WAS REC'D 3/24/2010; MFG WILL REVISIT AFTER RE-REG REVIEW IS COMPLETED BY EPA:05/16; MFG QUESTIONS IF THIS REQUEST IS SIMILAR TO GLUFOSINATE USE ON POTATO AS A DESICANT (HARVEST AID); A PRE-SEASON BURNDOWN WOULD POSSIBLY FIT IN THE RISK CUP; IF USE PATTERN NEEDED IS THE SAME AS POTATO, THEN NO RESIDUE DATA ARE NEEDED AND THE POTATO TOLERANCE WOULD COVER THIS REQUEST (SAME IS TRUE FOR TARO, 09568):08/16; EPA CAUTION; MFG SUPPORTS AS POTENTIAL, AND NEEDS ONLY CROP SAFETY DATA FIRST:09/16; E/CS BEFORE RESIDUE - E/CS ON-GOING: 01/17; IR-4 CONSIDERS PERFORMANCE RESEARCH IS COMPLETE WITH ONGOING WORK, AND STATUS CAN BE MOVED TO "RESIDUE RESEARCHABLE":11/18; IR-4 PERFORMANCE WORK COMPLETE:03/19; MFG REQUESTS THIS PR BE SPLIT INTO 2 SEPARATE ONES BASED ON USE PATTERN, AS FOLLOWS: 1) PRE-TRANSPLANT USE PATTERN BASF SUPPORTS AS RESEARCHABLE, BUT SUGGESTS AT LEAST ONE YEAR OF ADDITIONAL CROP SAFETY TESTING BEFORE STARTING RESIDUE TRIALS (WITH FULL 2X EXAGGERATED RATES [1X = 0.78 LB AI/A] IN COMMERCIALLY IMPORTANT SWEET POTATO GROWING AREAS - 2 TRIALS IN NC, AND 1 EACH IN LA, CA, AND MS OR TX; NEED TO REPEAT PROGRAM FOR 2 YEARS WITH FOCUS ON COARSE-TEXTURED SOILS WITH LOW ORGANIC MATTER); 2) POST-TRANSPLANT/INTER-ROW APPLIC USE PATTERN BASF SUPPORTS AS POTENTIAL, WITH NO EFFICACY DATA NEEDED; ADDITIONAL CROP SAFETY DATA IS REQUIRED, TESTING A FULL 2X EXAGGERATED RATE (1X = 0.78 LB AI/A) IN COMERCIALLY IMPORTANT SWEET POTATO GROWING AREAS (2 TRIALS IN NC AND 1 EACH IN LA, CA, AND MS OR TX):08/19; EPA GREEN:09/19; AT FUW, PRE-PLANT BURNDOWN USE IS "A" (USING THIS PR#) AND POST ROW-MIDDLE USE IS "H+" (SEE PR# 12905):09/24/19; POTATO IS LABELED FOR DESICCATION, 9-DAY PHI, 21 OZ/A;

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
		21-NCP01 Jennings, Katie 21-MSP01 Shankle, Mark W.		

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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12869	-NONE	B	BATTS	PARAQUAT (AMVAC,SYNGEN)	SWEET POTATO	TUBEROUS AND CORM VEGETABLES SUBGROUPS (01CD)

Reason for Need: WEEDS; NO POSTEMERGENCE HERBICIDES REGISTERED FOR WEED CONTROL IN PLANT BEDS; PER CA ME-TOO REQUEST, A CONTACT HERBICIDE, RATHER THAN SYSTEMIC LIKE GLYPHOSATE, MAY HAVE BETTER CROP SAFETY AT THIS TIME; POTENTIAL COMPARISON PRODUCTS MAY BE SUPPRESS AT 6%, RELY, ROUNDUP:09/19

Use Pattern: (PCR): MAKE ONE FOLIAR APPLIC OF 1.5-2.0 PT/A, JUST AFTER PLASTIC IS REMOVED; NO OTHER USE PATTERN DETAILS PROVIDED

E/CS Data Requirements: NEED 2 TRIALS IN 2021

E/CS Research Comments: IN THE 2020 PERFORMANCE PROTOCOL: TESTING GRAMOXONE SL PRODUCT AT 3 RATES (1X, 2X, 4X) - 0.25, 0.5 AND 1.0 LB AI/A, IN 10-30 GPA; MAKE A SINGLE POSTEMERGENCE BROADCAST APPLIC TO SMALL WEEDS AND NEWLY-EMERGED SWEET POTATO SHOOTS, JUST AFTER PROTECTIVE COVERING IS REMOVED FROM THE PROPAGATION BED; INCLUDE A NONIONIC SURFACTANT AT 0.25% V/V; EVALUATE CROP INJURY AND WEED CONTROL IN THE PROPAGATION BED, AND CROP INJURY, PLANT STAND AND CROP YIELD/TUBER GRADE IN THE FIELD

Comments: EUROPE NOTED AS A KEY EXPORT MARKET; SEE PR# 10583 AND 11327 FOR OTHER REQUESTS FOR THIS PRODUCT ON SWEET POTATO:08/19; BY EMAIL, MFG APPROVED, RESIDUE AND E/CS DATA NEEDED:09/19/19; SUBGROUP 1C IS REGISTERED IN US AND EU; CONSIDER IF THE REQUESTED USE CAN BE SECURED VIA CHEMSAC PROPOSAL:10/2/19; STATUS CHANGED TO E/CS DATA ONLY:10/29/19; CHEMSAC AGREED WITH THE IR-4 PROPOSAL (THE PROPOSED USE PATTERN IS NOT EXPECTED TO RESULT IN HIGHER RESIDUES THAN THOSE ON POTATO) AND CONCLUDED THAT THIS PROPOSED NEW USE CAN BE SUPPORTED WITH EXISTING DATA AND THE TOLERANCE FOR RESIDUES IN/ON VEGETABLE, TUBEROUS AND CORM, SUBGROUP 1C; THIS CONCLUSION COULD BE USED TO SUPPORT A 24C APPLICATION AND/OR A LABEL AMENDMENT:03/20

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
		21-NCP02 Jennings, Katie		
		21-MSP02 Shankle, Mark W.		

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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12804	-NONE	A	HOMA	XDE-659 (CORTEVA)	ONION	ONION BULB AND GREEN SUBGROUPS (03-07AB)

Reason for Need: BOTRYTIS AND ALTERNARIA; FUNGICIDE IS SUSPECTED WEAK ON STEMPHYLIUM BUT WORTHWHILE TO OBTAIN OBSERVATIONS ON PERFORMANCE IF THIS FUNGUS ALSO OCCURS; DUE TO FUNGICIDE RESISTANCE, TARGET PATHOGENS ARE DIFFICULT TO MANAGE SUCCESSFULLY WITH AVAILABLE FUNGICIDES AND ALTERNATIVES ARE NEEDED TO FOLLOW LABEL USE RESTRICTIONS FOR RESISTANCE MANAGEMENT

Use Pattern: (PCR): MAKE 5 FOLIAR APPLIC (PER CALENDAR YEAR), BY GROUND ONLY, OF 0.09-0.13 LB AI (100-150 G AI/HA)/A, MINIMUM 30 GPA, 10-14 DAY INTERVAL, 1-DAY PHI; APPLY BEFORE VISIBLE SYMPTOMS APPEAR; APPLY WITH A NIS OR NIS BLEND; DO NOT APPLY WITH ADDITIVES CONTAINING LATEXES; DO NOT APPLY BY AIR OR VIA CHEMIGATION (MFG REQUESTS THAT APPLIC OF XDE-659 SHOULD BE NO MORE THAN 1/3 OF THE TOTAL FUNGICIDE APPLIC, UP TO 3 APPLIC PER CROPPING SEASON AND 5 PER CALENDAR YEAR)

E/CS Data Requirements: NEED GREEN ONION EFFICACY DATA:09/17/19; NEED 3 TRIALS FOR ALTERNARIA ON GR ONION:10/20

E/CS Research Comments: PMC/CANADA IS CONDUCTING 1 DRY BULB EFF TRIAL (IN BC), AND 1 GR. ONION EFF TRIAL IN 2020, BOTH TARGETING BOTRYTIS LEAF BLIGHT:12/19; CANADA IS PLANNING 3 TRIALS ON EACH CROP IN 2021 FOR BOTRYTIS:10/20; IN 2021 3 PERFORMANCE TRIALS ON GR ONION-TWO IN NORTHEAST AND ONE IN NORTH CENTRAL REGIONS: 02/21; TRIALS CARRIED OUT IN 2021 IN NY AND DE ON GREEN ONION: 03/21

Comments: NO KEY EXPORT MARKETS NOTED; MFG SUPPORTS, RESIDUE AND E/CS, AND POSSIBLY WILL ASSIST WITH SAMPLE ANALYSIS:08/19; MFG CONFIRMED ONLY RESIDUE DATA NEEDED FOR BULB ONION (AND EFFICACY TRIALS ARE IN PROGRESS); NEED RESIDUE AND EFFICACY TRIALS FOR GREEN ONION:09/17/19; CANADIAN INTEREST FOR JOINT STUDY, WITH NAFTA TRIAL SITES INDICATED IN THE IR-4 RESIDUE TRIAL PLAN FIELD (US SITES WERE: BULB: 1 5 6 8 10-2 11 12, 1 DECLINE TRIAL; GREEN: ANY 4 TRIALS, 1 DECLINE TRIAL):10/19;

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
21-NYP02 Hoepting, Christine 21-DEP05 Koehler, Alyssa 21-NYP10 Lessord, Tessa (to be updated with NYP10 - ACDS res				

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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12815	-NONE	A	BATTS	LINURON (TKI)	ONION (GREEN)	ONION, GREEN SUBGROUP (03-07B)

Reason for Need: COMMON PURSLANE, HAIRY GALINSOGA, PROSTRATE PIGWEED; CURRENT COSTS FOR HAND LABOR TO COMPLETE WEED CONTROL IN GREEN ONION IS IN EXCESS OF $500/ ACRE; LABOR SUPPLY IS NOT DEPENDABLE; PER FL ME-TOO REQUEST, THERE ARE FEW OPTIONS FOR BROADLEAF WEED CONTROL IN ONIONS; ECONOMIC ALTERNATIVES TO HAND WEEDING ARE NEEDED DUE TO EXPENSE AND AVAILABILITY OF LABOR

Use Pattern: (PCR): MAKE 1 EARLY TO MID POST EMERGENCE (2-4 LEAF STAGE OF ONION AND EMERGED WEEDS) APPLIC OF LINURON AT 0.25-1.0 LB/A, 25-30 DAY PHI; LIMIT USE TO MUCK SOILS OR SEVERE CROP INJURY MAY OCCUR

E/CS Data Requirements: NEED 2 MORE E/CS TRIALS IN 2021:10/20

E/CS Research Comments: IN THE 2020 PERFORMANCE PROTOCOL: ON MUCK SOILS ONLY, TESTING 3 RATES OF LINEX 4L, AT 0.25, 0.5 AND 1.0 LB AI/A, APPLIED POST-EMERGENCE BROADCAST TO 2-LEAF ONIONS, IN 10-40 GPA, VS A REGISTERED STANDARD; APPLY IRRIGATION TO ACTIVATE HERBICDE, IF LESS THAN 0.5 INCHES RAIN FALLS WITHIN 7 DAYS OF APPLIC; COLLECT DATA ON CROP INJURY, WEED CONTROL, AND CROP YIELD

Comments: CANADA IS NOTED AS A LIKELY EXPORT MARKET; POSSIBLY COMBINE PR# 12816/ONION BULB (STORAGE):08/19; TKI SUPPORTS:10/19; EPA GREEN:12/19;

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
	21-OHP02 Robinson, Allison			
	21-MIP04 Chaudhari, Dr. Sushila			
	21-MIP05 Chaudhari, Dr. Sushila			

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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12806	-NONE	A	HOMA	XDE-659 (CORTEVA)	BROCCOLI	BRASSICA HEAD AND STEM VEGETABLE GROUP (05-16)

Reason for Need: ALTERNARIA LEAF SPOT; DUE TO FUNGICIDE RESISTANCE, TARGET DISEASE IS DIFFICULT TO MANAGE SUCCESSFULLY WITH AVAILABLE FUNGICIDES AND ALTERNATIVES ARE NEEDED TO FOLLOW LABEL USE RESTRICTIONS FOR RESISTANCE MANAGEMENT; PER RI ME-TOO REQUEST, ALTERNARIA IS A VERY SIGNIFICANT BROCCOLI DISEASE, WITH INCREASING PRESSURE DUE TO GROWING OF OTHER SUSCEPTIBLE BRASSICA CROPS ALONGSIDE BROCCOLI; PER MI ME-TOO REQUEST, BROCCOLI IS A NICHE CROP IN MI AND IS GROWN LATER IN THE FALL FOR PROCESSING, WHEN THE DEW PERIODS ARE EXTENDED AND DISEASE IS MORE LIKELY

Use Pattern: (PCR): MAKE 5 FOLIAR APPLIC (PER CALENDAR YEAR), BY GROUND ONLY, OF 0.09-0.13 LB AI (100-150 G AI/HA)/A, MINIMUM 30 GPA, 10-14 DAY INTERVAL, 1-DAY PHI; APPLY BEFORE VISIBLE SYMPTOMS APPEAR; APPLY WITH A NIS OR NIS BLEND; DO NOT APPLY WITH ADDITIVES CONTAINING LATEXES; DO NOT APPLY BY AIR OR VIA CHEMIGATION (MFG REQUESTS THAT APPLIC OF XDE-659 SHOULD BE NO MORE THAN 1/3 OF THE TOTAL FUNGICIDE APPLIC, UP TO 3 APPLIC PER CROPPING SEASON AND 5 PER CALENDAR YEAR)

E/CS Data Requirements: NEED EFFICACY AND CROP SAFETY DATA:09/17/19; NEED 4 TRIALS ON ALTERNARIA:10/20

E/CS Research Comments: PMC/CANADA IS PLANNING 2 EFF TRIALS IN 2020, TARGETING ALTERNARIA:12/19; CANADA PLANNING 2 OR 3 TRIALS IN 2021:10/20; IN 2021 3 PERFORMANCE TRIALS ARE PLACED- 2 IN NORTHEAST AND 1 IN NORTH CENTRAL REGIONS: 02/21;

Comments: NO KEY EXPORT MARKETS NOTED; MFG SUPPORTS, RESIDUE AND E/CS, AND POSSIBLY WILL ASSIST WITH SAMPLE ANALYSIS:08/19; CANADIAN INTEREST FOR JOINT STUDY, WITH NAFTA TRIAL SITES INDICATED IN THE IR-4 RESIDUE TRIAL PLAN FIELD (US TRIAL SITES WERE: 6 10-6 12, 1 DECLINE TRIAL):10/19;

NER-EPA Region-FRD		NCR-EPA Region-FRD		SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
21-NYP03	Hoepting, Christine	21-MIP01	Hausbeck, Dr. Mary K.			
21-MAP02	Scheufele, Susan					

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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13101	-NONE	A	PIKE	SPINOSAD (CORTEVA,SYNGEN)	BEAN (SNAP) (SEED TRT)	EDIBLE PODDED LEGUME VEGETABLES SUBGROUP (06A)

Reason for Need: SEEDCORN MAGGOT (SCM), POTATO LEAFHOPPER; SEEDCORN MAGGOT, DELIA PLATURA (MEIGEN); SCM IS A MAJOR PEST OF MANY AGRICULTURAL CROPS BECAUSE IT ATTACKS GERMINATING SEEDS AND SEEDLINGS; OFTEN A PROBLEM IN THE SPRING WHEN SOIL TEMPERATURES ARE COOL AND SOIL MOISTURE IS HIGH, SCM CAN DEVASTATE CROPS RESULTING IN COMPLETE PLANT STAND LOSS; BECAUSE SCM IS A UBIQUITOUS PEST ON MOST FARMS, IT IS CONSIDERED A VERY COMMON ANNUAL PEST; FOR SNAP BEAN, SCM DAMAGE FREQUENTLY STUNTS PLANT GROWTH, WHICH REDUCES BEAN YIELD; BECAUSE SCM ATTACKS CROPS SHORTLY AFTER PLANTING AND NO RESCUE TREATMENT IS HIGHLY EFFECTIVE, VEGETABLE GROWERS MUST USE A PREVENTATIVE CONTROL MEASURE AT PLANTING; FOR CONVENTIONAL VEGETABLE GROWERS, A NEONICOTINOID SEED TREATMENT LIKE THIAMETHOXAM (CRUISER 5FS) MAY BE AN OPTION; HOWEVER, WITH THE PUBLIC SCRUTINY OVER NEONICOTINOID INSECTICIDE USE IN FOOD PRODUCTION, ALTERNATIVE INSECTICIDE SEED TREATMENT OPTIONS ARE NEEDED; MOREOVER, ORGANIC GROWERS HAVE NO EFFECTIVE OPTIONS FOR MANAGING SCM INFESTATIONS; REGARD SC (SPINOSAD) SEED TREATMENT WOULD BE AN IDEAL ALTERNATIVE FOR THOSE INTERESTED IN SHIFTING AWAY FROM NEONICOTINOIDS; ADDITIONALLY, BECAUSE REGARD SC IS OMRI-LISTED, IT WOULD PROVIDE ORGANIC GROWERS WITH AN EXCELLENT SCM CONTROL OPTION; REGARD SC IS CURRENTLY REGISTERED AS A SEED TREATMENT ONLY FOR BULB CROPS LIKE ONION TO MANAGE ONION MAGGOT, DELIA ANTIQUA (MEIGEN), AND SCM; REGARD MAY BE AN OPTION ALONE OR IN COMBINATION WITH OTHER CROP PROTECTANTS IN THE FARMORE FI500 SEED TREATMENT PACKAGE; REGARD IS CURRENTLY THE INDUSTRY STANDARD FOR ONION GROWERS IN THE US; A SIMILAR SHIFT MIGHT BE EXPECTED IN THE USE OF REGARD TO PROTECT OTHER VEGETABLE CROPS THAT ARE ATTACKED BY SCM; PER OR ME-TOO REQUEST: NEED SCM CONTROL OPTIONS IN NUMEROUS CROPS SUCH AS BEANS, CARROTS AND PARSNIP, AS MAJOR STAND REDUCTIONS HAVE BEEN OBSERVED WITH CURRENT PRACTICES

Use Pattern: (PCR): USE THE REGARD SC PRODUCT; MAKE ONE SEED TREATMENT APPLIC OF 0.5 MG AI/SEED; SEED MUST BE TREATED BY A COMMERCIAL SEED TREATMENT COMPANY

E/CS Data Requirements: MFG REQUIRES E/CS DATA:09/20

E/CS Research Comments:

Comments: X0251 (DMP ONLY), RECD IN 4/2/2004, CONVERTED TO THIS PR#; EUROPE AND ASIA NOTED AS KEY EXPORT MARKETS:07/20; SYNG SUPPORTS, RESIDUE AND E/CS DATA NEEDED:09/20; HQ SUGGESTS IR-4 CONSIDER COVERING RESIDUE REQUEST WITH A CHEMSAC PROPOSAL/NO-DATA SUBMISSION:09/20; HOWEVER, IR4 TO GENERATE PERFORMANCE DATA; EPA GREEN:12/20

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
21-NYP04 Nault, B.A. (efficacy & crop safety) 21-NYP07 Taylor, Alan (seed treatment onlyl)			21-CAP04 Grettenberger, Dr. Ian (crop safety only) 21-ORP01 Peachey, Ed (efficacy & crop safety)	

2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P11772	-NONE	A	BATTS	LINURON (TKI)	BEAN (EDIBLE PODDED & SUCCULENT SHELLED)	EDIBLE PODDED AND SUCCULENT SHELLED PEA/BEAN SUBGROUPS (06AB)

Reason for Need: WEEDS, PARTICULARLY AMARANTH SPECIES AND SPECIFICALLY PALMER AMARANTH; PIGWEEDS AND GRASSES; PER GA ME-TOO REQUEST, THERE ARE FEW ALTERNATIVES

Use Pattern: (PCR): USE THE LOROX/LINEX PRODUCT; MAKE 1 PREEMERGENCE APPLIC TO THE SOIL OF 0.5-1.0 LB AI/A (1-2 PT/A), AFTER PLANTING BUT PRIOR TO SEEDLING EMERGENCE

E/CS Data Requirements: MFG REQUESTS 2 E/CS TRIALS ON LIMA BEAN AND 2 ON SNAP BEAN:11/19; NEED 1 MORE TRIAL ON EACH BEAN TYPE IN 2021:10/20

E/CS Research Comments: MFG HAS SOME TRIAL DATA THAT INDICATES LINURON IS SAFE WHEN APPLIED PREEMERGENCE AT RATES OF 2 LB PROD/A OR LESS:08/15; IN IR-4 2020 PERFORMANCE PROTOCOL: ON SNAP BEAN IN FL AND LIMA BEAN IN DE, TESTING 3 RATES OF LINEX 4L, AT 0.5, 1.0 AND 2.0 LB AI/A, APPLIED PRE-EMERGENCE BROADCAST, AFTER SEEDING AND BEFORE CROP EMERGENCE, IN 10-40 GPA, VS A REGISTERED STANDARD; APPLY IRRIGATION TO ACTIVATE HERBICDE, IF LESS THAN 0.5 INCHES RAIN FALLS WITHIN 7 DAYS OF APPLIC; COLLECT DATA ON CROP INJURY, WEED CONTROL, AND CROP YIELD

Comments: MFG MAY CONSIDER SOME FUNDING TO HELP OFFSET RESEARCH COSTS:08/15; EPA CAUTION:09/15; EPA CAUTION:08/16; EPA CAUTION: 08/17; EPA GREEN:09/18 & 09/19

NER-EPA Region-FRD		NCR-EPA Region-FRD	SOR-EPA Region-FRD		WSR-EPA Region-FRD	CANADA-EPA Region-FRD
21-DEP01 (lima)	VanGessel, M.		21-FLP04 (snap)	Dittmar, Dr. Peter		
21-DEP02 (lima)	VanGessel, M.					

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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12841	-NONE	A	BATTS	BENTAZON + ACIFLUORFEN (ARYSTA,UPL NA)	PEA (DRY)	DRIED SHELLED PEA/BEAN (EXCEPT SOYBEAN) SUBGROUP (06C)

Reason for Need: BROADLEAF WEEDS; UNIQUE MODE OF ACTION; POST PLANT APPLIC; THIS DUAL AI PRODUCT PROVIDES BETTER CROP SAFETY; POTENTIAL 60-80,00 ACRES IN ID, AND WEED CONTROL PROBLEMS ARE SIMILAR TO WA; PER MT ME-TOO REQUEST, DRY PEAS ARE A MAJOR CROP IN MT, AND THIS NEED HAS INDUSTRY SUPPORT

Use Pattern: (PCR): USE STORM; MAKE ONE POST EMERGE FOLIAR APPLIC OF 16-24 OZ/A; NO OTHER USE PATTERN INFO PROVIDED

E/CS Data Requirements: NEED A ND E/CS TRIAL IN 2021:10/20

E/CS Research Comments: IN 2020 PERFORMANCE PROTOCOL: IN SPRING PLANTED PEAS, TESTING THE STORM PRODUCT AT 3 RATES (16, 24 AND 48 OZ/A), EACH WITH A NONIONIC SURFACTANT AND WITH A CROP OIL CONCENTRATE, VS A COMMERCIAL STANDARD, ALL APPLIED IN 10-40 GPA AS A POSTEMERGENCE BROADCAST APPLIC WHEN BROADLEAF WEEDS ARE 2-4 INCHES TALL; EVALUATE CROP INJURY, WEED CONTROL AND CROP YIELD/GRADE

Comments: KEY EXPORT MARKETS INCLUDE INDIA, CHINA, EU, PERU, CHILE, MEXICO; BENTAZON IS REGISTERED ON DRY PEA, BUT THERE IS NO TOLERANCE FOR ACIFLUORFEN; SEE PR# 12751 (ACIFLUORFEN/DRY PEA) WHICH IS UNDER EVALUATION, AND 11510 (BENTAZON/DRY PEA); THIS REQUEST IS FOR THE DUAL AI PRODUCT STORM; MFG SUPPORTS, RESIDUE AND E/CS DATA NEEDED:08/19; PER EMAIL, MFG PREFERS THIS COMBO PRODUCT VS 12751 ACIFLUORFEN ALONE:09/23/19; AT FUW, COMBO PRODUCT GIVEN "A" PRIORITY, SO THIS REQUEST TO COVER PR# 12751:09/24/19; CANADIAN INTEREST FOR JOINT STUDY, USING NAFTA TRIAL SITES (7-4 11 14-3, 1 DECLINE TRIAL [IN CANADA]); US TRIAL SITES WERE: 7-3 11/12-2:10/19; CANADA CONFIRMED THIS WILL NOT BE A JOINT PROJECT, SO NEED TO USE U.S. TRIAL SITE REQUIREMENTS:10/23/19; EPA GREEN:12/19;

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
	21-NDP01 Jenks, Dr. Brian			

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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13076	-NONE	A	HOMA	PYRAZIFLUMID (NAI)	TOMATO	TOMATO SUBGROUP (08-10A)

Reason for Need: SOUTHERN BLIGHT (SCLEROTIUM ROLFSII); DISEASE CONTROL FOR AN IMPORTANT SOILBORNE PATHOGEN IN SOUTHERN US; PER CA ME-TOO REQUEST 08/20: CA PROCESSING TOMATO AND SWEET POTATO GROWERS HAVE VIRTUALLY NO PRODUCT WHICH EFFECTIVELY CONTROLS SOUTHERN BLIGHT; PER WV ME-TOO REQUEST: THIS DISEASE IS MOVING TO THE NORTH, AND PRODUCTS ARE NEEDED TO PREVENT THE SPREAD

Use Pattern: (PCR): USE THE 20% SC PRODUCT; MAKE 2 SOIL APPLIC OF 0.54-0.71 OZ AI/A, 7-14 DAY INTERVAL, 3-DAY PHI; MAKE AN AT-PLANT SOIL APPLIC VIA DRENCH, FOLLOWED BY A DRIP APPLIC 2 WK LATER; OR MAKE 2 DRIP APPLIC OF 2.31-3.08 FL OZ PRODUCT/A

E/CS Data Requirements:

E/CS Research Comments:

Comments: NO KEY EXPORT MARKET NOTED; THIS REQUESTED USE ON FIELD TOMATO MAY BE COVERED, ALONG WITH SEVERAL OTHER VEGETABLE CROP GROUPS, BY THE MFG:06/20; MFG CONFIRMED THEY HAVE MOR DATA FOR CROP GROUP 8-10 FROM ONLY FOLIAR APPLIC, NOT FROM THE SOIL APPLIED DRENCH/DRIP APPLIC TYPES IN THIS REQUEST; THEY SUPPORT THE REQUEST, REQUIRING RESIDUE AND E/CS DATA; ALSO, MFG STATED THEY PLAN TO REQUEST AN IMPORT TOLERANCE IN CANADA AND POSSIBLY IN OTHER COUNTRIES:08/20; RESEARCHABLE, RESIDUE & E/CS DATA NEEDED CHANGED TO E/CS DATA ON-GOING UNTIL THE RESIDUE PROTOCOL IS SIGNED:02/21

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
			21-CAP05 Sidhu, Jaspreet	

2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

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Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12299	-NONE	+	PIKE	SPIROPIDION (SYNGEN)	EGGPLANT (GH)	PEPPER/NON-BELL PEPPER/EGGPLANT SUBGROUPS (08-10BC)

Reason for Need: THRIPS, WHITEFLIES, APHIDS

Use Pattern: (PCR): MAKE MULTIPLE FOLIAR APPLIC, LOW USE RATE, 7-14 DAY INTERVAL, 0-1 DAY PHI; OTHER DIRECTIONS OF USE PER MFG; FOR CANADA USE- MAX RATE OF 120 G AI/HA WITH A LIMIT OF 2 APPLIC; ADJUVANT RATE MAINTAINED AT 0.1%, BUT LIMIT THE TOTAL LOAD TO 0.5L/HA:06/21

E/CS Data Requirements: A MINIMUM # OF TRIALS ARE NEEDED:08/17; MFG SUGGESTS THAT 3 TRIALS ARE NEEDED - 1 FOR WHITEFLIES, 2 FOR APHIDS:09/20

E/CS Research Comments: CANADA HAS SOME E/CS DATA; MFG IS DOING E/CS TRIALS IN FIELD TOMATO AND PEPPER:05/18

Comments: TOLERANCE CAN BE COVERED BY TOMATO (GH), PR# 12300, AND PEPPER (GH), PR# 12298:08/17; MFG CONFIRMED NEED E/CS DATA ONLY, RESIDUES TO BE COVERED BY TOMATO/PEPPER:05/18; NA11630 CHANGED TO SPIROPIDION:03/21

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
21-NYP09 Gilrein, Dan				

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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12580	-NONE	+	BATTS	FLUMIOXAZIN + PYROXASULFONE (KICHEM,VALENT)	CUCUMBER	SQUASH/CUCUMBER SUBGROUP (09B)

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

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

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

E/CS Research Comments: MFG SUGGESTS SETTING UP E/CS PROTOCOL LIKE THE TOMATO/PEPPER PROTOCOL - 3, 4.5 AND 6 OZ/A, APPLIED TWICE TO ROW MIDDLES (INTERVAL TBD), BEGINNING WHEN WEEDS ARE 2-4" TALL, NO CONTACT WITH CROP ALLOWED:07/20

Comments: TOLERANCE IS ESTABLISHED FOR FLUMIOXAZIN ON CUCURBIT VEGETABLES CROP GROUP 9; CANADA AND MEXICO NOTED AS KEY EXPORT MARKETS:07/18; VALENT AND KUMIAI SUPPORT, BUT KUMIAI REQUIRES PERFORMANCE DATA BEFORE APPROVAL FOR RESIDUE WORK:08/18

NER-EPA Region-FRD		NCR-EPA Region-FRD		SOR-EPA Region-FRD		WSR-EPA Region-FRD	CANADA-EPA Region-FRD
21-DEP04	VanGessel, M.	21-OHP03	Robinson, Allison	21-FLP08	Dittmar, Dr. Peter		
				21-NCP03	Jennings, Katie		

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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12581	-	H	BATTS	FLUMIOXAZIN + PYROXASULFONE (KICHEM,VALENT)	SQUASH (SUMMER)	SQUASH/CUCUMBER SUBGROUP (09B)

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

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

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

E/CS Research Comments: MFG SUGGESTS SETTING UP E/CS PROTOCOL LIKE THE TOMATO/PEPPER PROTOCOL - 3, 4.5 AND 6 OZ/A, APPLIED TWICE TO ROW MIDDLES (INTERVAL TBD), BEGINNING WHEN WEEDS ARE 2-4" TALL, NO CONTACT WITH CROP ALLOWED:07/20

Comments: TOLERANCE IS ESTABLISHED FOR FLUMIOXAZIN ON CUCURBIT VEGETABLES CROP GROUP 9; CANADA AND MEXICO NOTED AS KEY EXPORT MARKETS:07/18; VALENT AND KUMIAI SUPPORT, BUT KUMIAI REQUIRES PERFORMANCE DATA BEFORE APPROVAL FOR RESIDUE WORK:08/18; ALTHOUGH PROJECT NOT SELECTED DURING WORKSHOP, RESEARCHERS AGREED TO PERFORM WORK AT $0 COST SO IT WAS APPROVED TO ADD PERFORMANCE STUDY TO THE TENTATIVE SCHEDULE FOR 2021:01/21

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
21-DEP06 VanGessel, M. (no $ needed)	21-OHP04 Robinson, Allison (no $ needed)	21-FLP13 Dittmar, Dr. Peter (no $ needed) 21-NCP05 Jennings, Katie (no $ needed)		

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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13138	-NONE	+	BATTS	FLORPYRAUXIFEN-BENZYL (CORTEVA)	BLUEBERRY	BUSHBERRY SUBGROUP (13-07B)

Reason for Need: BROADLEAF ANNUALS, NUTSEDGE, AND GRASSES; NEW MECHANISM OF ACTION FOR THIS CROP FOR WEED MANAGEMENT; EFFECTIVE AGAINST ALS, ACCASE, HPPD, QUINCLORAC, GLYPHOSATE, AND TRIAZINE RESISTANT WEEDS; PROVIDE EFFECTIVE CONTROL OF MARESTAIL, FLEABANE, MALLOW, ANNUAL SAWTHISTLE, REDSTEM FILAREE, LAMBSQUARTERS, ETC.

Use Pattern: (PCR): MAKE FOLIAR APPLIC OF 10.5-21.0 FL OZ PRODUCT/A, VIA GROUND BOOM SPRAYER; NO OTHER USE PATTERN DETAILS PROVIDED BY REQUESTOR

E/CS Data Requirements:

E/CS Research Comments:

Comments: NO KEY EXPORT MARKET NOTED; THIS AI (RINSKOR) IS EXEMPT FROM THE REQUIREMENT OF A TOLERANCE; CORTEVA SUPPORTS THIS REQUESTED USE, AND REQUIRES ONLY EFFICACY AND CROP SAFETY DATA:08/20; REDUCED RISK HERBICIDE:06/21

NER-EPA Region-FRD		NCR-EPA Region-FRD		SOR-EPA Region-FRD		WSR-EPA Region-FRD		CANADA-EPA Region-FRD
21-NJP04	Besancon, Thierry	21-MIP06	Chaudhari, Dr. Sushila	21-NCP06	Jennings, Katie	21-ORP06	Moretti, Marcelo	

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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12933	-NONE	A	BATTS	GLUFOSINATE (BASF,UPL NA)	KIWIFRUIT	SMALL FRUIT VINE CLIMBING SUBGROUP, EXCEPT GRAPE (13-07E)

Reason for Need: WEEDS; WEEDS REDUCE ORCHARD EFFICIENCY BY COMPETING FOR RESOURCES (WATER AND NUTRIENTS), INTERFERE WITH CULTURAL PRACTICES SUCH AS IRRIGATION AND MANAGEMENT OF INSECT/PATHOGEN/VERTEBRATE PESTS, AND CAN INCREASE UNDER-CANOPY HUMIDITY IN DENSELY PLANTED TRELLISED KIWI PRODUCTION SYSTEMS; RELATIVELY FEW POSTEMERGENCE HERBICIDES ARE REGISTERED FOR USE IN KIWIFRUIT; THE PRIMARY HERBICIDE, GLYPHOSATE, IS CHALLENGED BY GLYPHOSATE-RESISTANT WEEDS AND ALSO BY CURRENT MARKET CONCERNS ABOUT HEALTH IMPACTS

Use Pattern: (PCR): USE THE LIFELINE, OR RELY280 PRODUCT; MAKE UP TO A MAX OF 4 POST EMERGENCE APPLIC OF 0.88-1.49 LB AI/A TO WEEDS, 30-DAY INTERVAL, 14-DAY PHI; DIRECT SPRAY TO VINE ROW; ADD AMS AT 8 LB/100 GAL; DO NOT APPLY THROUGH ANY TYPE OF IRRIGATION SYSTEM, NOR BY AIR; DO NOT CONTACT GREEN BARK, TRUNKS OF YOUNG TREES OR SUCKERS WITH THE SPRAY

E/CS Data Requirements: BASF REQUIRES 3 TO 4 CROP SAFETY TRIALS, PRIMARILY IN CA; TRIALS MUST BE MULTI-YEAR WITH SEQUENTIAL APPLIC PER YEAR AT EXAGGERATED RATES (UP TO 3X) ON THE SAME VINES; TOTAL # OF TRIALS DEPENDS ON MATRIX OF IRRIGATION TYPES, SOIL TYPES, VARYING REGIONS OF PRODUCTION IN CA (i.e. PREFER ONE TRIAL PER IRRIGATION TYPE PER REGION); 1X RATE SHOULD BE RELY AT 82 FL OZ/A; BASF REQUESTS SEEDLINGS TO CONDUCT LEVEL OF TOLERANCE WORK IN THE GH

E/CS Research Comments:

Comments: REQUESTOR CONFIRMED THE NEED IS FOR FUZZY KIWIFRUIT (THERE IS A GRAPE TOLERANCE, WHICH CAN COVER THE HARDY KIWIFRUIT, IF A SUBGROUP 13-07F TOLERANCE IS SECURED); NO KEY EXPORT MARKETS NOTED:01/20; BASF SUPPORTS THIS USE, RESIDUE AND CROP SAFETY DATA NEEDED (NO EFFICACY); EPA GREEN:08/20; TO BE SUPPORTED WITH 2021 CA GRANT FUND $$S:09/20; RESEARCHABLE, RESIDUE & E/CS DATA NEEDED CHANGED TO E/CS DATA ON-GOING AND WILL UPDATE AGAIN ONCE RESIDUE PROTOCOL IS SIGNED:12/20

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
			21-CAP06 Hanson, Brad (ft to establish new crop) 21-CAP07 Hanson, Brad (bearing) 21-CAP17 Hanson, Brad (bearing)	

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Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12604	-NONE	+	BATTS	CLOPYRALID (DOWAGR)	GRAPE	SMALL FRUIT VINE CLIMBING SUBGROUP, EXCEPT FUZZY KIWIFRUIT (13-07F)

Reason for Need: CANADA THISTLE, CLOVER, DANDELION, PERENNIAL SOWTHISTLE, HORSENETTLE; IT IS VERY DIFFICULT TO CONTROL MANY COMPOSITE, LEGUME, AND NIGHTSHADE WEEDS IN GRAPE; PREEMERGENCE HERBICIDES DO NOT CONTROL THEM, AND THEY ARE NOT CONTROLLED WELL WITH OTHER POST HERBICIDES; PER NY ME-TOO REQUEST: ALSO NEEDED FOR HORSEWEED, GLYPHOSATE RESISTANT WEEDS AND IPM ROTATION; PER PA ME-TOO REQUEST: GOOD FIT FOR TOUGH WEEDS ALREADY LISTED, AS WELL AS MARESTAIL, AND FOR RESISTANT WEEDS AND ROTATION PURPOSES:01/20

Use Pattern: (PCR): USE THE STINGER OR SPUR PRODUCT; MAKE 1-2 APPLIC OF 0.063-0.125 LB AI/A, 30-DAY INTERVAL, DIRECTED TO THE BASE OF GRAPE VINES AND TO WEEDS GROWING IN GRAPE ROWS; 30-DAY PHI; AVOID CONTACT WITH CROP LEAVES, AND APPLY WHEN WIND IS <5 MPH; IT IS CRITICAL THAT THE APPLIC OVERLAPS THE TRUNK OF THE VINES AT THE BASE, SO THAT WEEDS IN THE ROW RECEIVE COVERAGE

E/CS Data Requirements: MFG WOULD REQUIRE A MINIMUM OF 2 YEARS OF CROP SAFETY DATA FROM MULTIPLE LOCATIONS AT 2X-4X THE MAXIMUM LABEL RATE; DEPENDING ON RESULTS OF PHYTO DATA, CROP VALUE AND PRIOR EXPERIENCE (SECTION 18's, OTHER COUNTRIES, ETC.), MFG WOULD CONSIDER SUPPORT FOR A SEC. 3 REGISTRATION (WITH PRECAUTIONARY LANGUAGE [MAY BE RESTRICTED TO STATES WITH DATA TO SUPPORT THE USE]), OR MFG COULD CONSIDER REGISTERING AS A SEC. 24C SLN WITH PRECAUTIONARY AND INDEMNIFICATION LANGUAGE (ONLY IN THOSE STATES WITH DATA TO SUPPORT):11/18

E/CS Research Comments: IN 2019 PERFORMANCE PROTOCOL: TESTING 0.25 AND 0.05 LB AE/A OF THE STINGER PRODUCT (3 LB ACID EQUIVALENT/GAL), PLUS AN NIS AT 0.25% V/V, IN >10 GPA, VS A WEED-FREE CONTROL; APPLY AS BANDED APPLIC TO THE VINEYARD FLOOR ON EACH SIDE OF THE VINE ROW, IN A MINIMUM SWATH WIDTH OF 3 FT ON EACH SIDE OF THE ROW; FOR THE 0.25 LB AE/A TRT MAKE 2 APPLIC, WITH 1ST APPLIC TO WEEDS <6 IN TALL AND 2ND APPLIC 30 DAYS LATER; FOR THE 0.5 LB AE/A TRT, MAKE A SINGLE APPLIC WHEN WEEDS ARE <6 IN TALL; REPEAT APPLIC OF THESE TRTS ON THE SAME PLOTS THE FOLLOWING SEASON; ASSESSING CROP INJURY (WEED CONTROL DATA OPTIONAL) AT 14 AND 28 DAYS AFTER EACH APPLIC AND AGAIN THE NEXT SPRING FOLLOWING THE LAST APPLIC; ALSO COLLECT DATA ON YIELD/A AND QUALITY OF HARVESTED COMMODITY, IF APPROPRIATE

Comments: NO EXPORT MARKETS IDENTIFIED:08/18; AT 2018 FUW, MFG CHANGED STATUS FROM UNDER EVAL TO POTENTIAL, E/CS DATA BEFORE RESIDUE:09/18

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
			21-WAP01 Walsh, Dr. Doug (yr 2, no addl $ needed) 21-WAP02 Walsh, Dr. Doug (yr 2, no add'l $ needed)	

2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12220	-NONE	A	BATTS	DIQUAT (SYNGEN)	GRAPE	SMALL FRUIT VINE CLIMBING SUBGROUP, EXCEPT FUZZY KIWIFRUIT (13-07F)

Reason for Need: ANNUAL WEEDS (PER REQUESTOR DIQUAT COVERS A SIMILAR WEED SPECTRUM AS PARAQUAT; PER MFG, PARAQUAT IS MORE EFFECTIVE ON GRASSES AND HAS A BROADER SPECTRUM OF ACTIVITY; DIQUAT IS NOT AS EFFECTIVE, DEPENDING ON TARGET SPECIES)

Use Pattern: (PCR): USE REGLONE (FOR EXAMPLE); APPLY 0.7-0.93 LB AI/A, + NIS, POSTEMERGENCE FOLIAR TO WEEDS; 1-DAY PHI; APPLY IN A NARROW BAND UNDER THE VINE, 1-3 FT WIDE ON EACH SIDE OF THE VINEROW; DO NOT ALLOW SPRAY TO CONTACT GREEN STEMS, FOLIAGE OR FRUIT; USE A SHIELD OR WRAP PLANT WHEN SPRAYING AROUND YOUNG VINES; MFG RECOMMENDS THAT MAX PER YEAR IS 11.0 LB AI/A:07/17

E/CS Data Requirements:

E/CS Research Comments: IN THE 2019 PERFORMANCE PROTOCOL: TESTING 0.5 AND 1.0 LB AI/A OF THE REGLONE DESSICANT PRODUCT (2 LB DIQUAT CATION OR 3.73 LB SALT/GAL), PLUS A LABEL RATE OF A NONIONIC SURFACTANT, VS A WEED-FREE CONTROL, APPLIED IN A BAND TO THE VINEYARD FLOOR, EXTENDING OUT FROM VINE PLANTS AT LEAST 3 FT TO ROW MIDDLES, IN 20-50 GPA; MAKE 3 APPLIC 14 DAYS APART, WITH 1ST APPLIC MADE TO WEEDS <6 INCHES TALL, AND LAST APPLIC AT 30 DAYS BEFORE HARVEST; ASSESSING CROP INJURY (WEED CONTROL OPTIONAL) AT 14 DAYS AFTER EACH APPLIC, AND AGAIN AFTER BUD BREAK THE FOLLOWING SEASON

Comments: PER REQUESTOR, CURRENTLY GROWERS USE HIGHLY TOXIC PARAQUAT (SIGNAL WORD 'DANGER'), BUT DIQUAT IS LESS TOXIC (SIGNAL WORD 'CAUTION') (PER MFG, BOTH PRODUCTS REQUIRE SIMILAR PPE, AND WHEN APPLIED PER LABEL DIRECTIONS THERE ARE NOT DIFFERENCES IN SAFETY AS BOTH PRODUCTS ARE SAFE TO USE); MAIN USE IS AFTER PRUNING AND CANES ARE REMOVED, AND AGAIN IN-SEASON, DEPENDING ON VINE FOLIAGE; DIQUAT COULD BE APPLIED LATE FALL, LATE WINTER OR EARLY SPRING, AND THEN IN SUMMER, SO UP TO 3 TIMINGS:04/17; PER MFG, THIS AI IS IN REG. REVIEW AT EPA, AND UNTIL THAT REVIEW IS COMPLETE, THERE IS UNCERTAINTY ABOUT EXPANDING USES BEYOND WHAT IS CURRENTLY LABELED:07/17; EPA CAUTION:08/17; EPA CAUTION:09/18; PERFORMANCE PROTOCOL SIGNED AND CATEGORY WILL CHANGE TO E/CS & RESIDUE ON-GOING ONCE MOR PROTOCOL IS SIGNED:02/19

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
			21-WAP03 Walsh, Dr. Doug (repeating ft, no add'l $ needed)	

2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12715	-NONE	A	HOMA	FLUAZINAM (ISK,SYNGEN)	GRAPE	SMALL FRUIT VINE CLIMBING SUBGROUP, EXCEPT FUZZY KIWIFRUIT (13-07F)

Reason for Need: RIPE ROT (CAUSED BY COLLETOTRICHUM SPP.); HAS BEEN AN INCREASING DISEASE IN VINEYARDS IN THE MID-ATLANTIC REGION; CONTROL OF RIPE ROT TYPICALLY RELIES ON STROBILURINS, BUT RESISTANCE IN COLLETOTRICHUM HAS BEEN FOUND WIDESPREAD; CAPTAN PROBABLY IS ONE OF THE FEW FUNGICIDES THAT HAS PROVEN TO BE EFFECTIVE AGAINST THE DISEASE IN ADDITION TO QOIs; UNFORTUNATELY IT IS NOT FAVORED CLOSER TO HARVEST FROM WINE PERSPECTIVE; THEREFORE, THE FUNGICIDE CHOICES FOR RIPE ROT MANAGEMENT ARE VERY LIMITED; FLUAZINAM IS LABELED ON BLUEBERRIES FOR ANTHRACNOSE (SAME PATHOGEN THAT CAUSES RIPE ROT ON GRAPES) CONTROL, AND IT ALSO SHOWED GOOD EFFICACY (SIMILAR TO CAPTAN) FOR CONTROL OF STRAWBERRY ANTHRACNOSE FRUIT ROT

Use Pattern: (PCR): USE THE OMEGA 500F PRODUCT; MAKE 2 FOLIAR APPLIC OF 1.25 PT/A, 7-10 DAY INTERVAL, 30-DAY PHI; NO MORE THAN 7.5 PT/A/GROWING SEASON (3.91 LB AI); APPLIC SHOULD CORRESPOND TO PRE-BLOOM, BLOOM, BERRY TOUCH, BUNCH CLOSURE, VERAISON AND PRE-HARVEST (HQ SUGGESTS: A USE PATTERN SIMILAR TO BUSHBERRIES, WITH 6 APPLIC OF 1.25 PT/A [0.65 LB AI/A], 30-DAY PHI)

E/CS Data Requirements: PER MFG 10/29/19: NEED 3 EFFICACY TRIALS, PREFERABLY IN THE MID-ATLANTIC AREA WHERE DISEASE PRESSURE IS CONSISTENT; TEST 1.0 & 1.25 PT PRODUCT/A, APPLIED FROM BLOOM TO BUNCH CLOSURE, MAINTAINING A 21-DAY PHI; EVALUATE DISEASE SEVERITY AND INCIDENCE AT HARVEST & % CONTROL RELATIVE TO THE UTC; RATE PHYTO AFTER EACH APPLIC; NEED 1 MORE TRIAL IN 2021:10/20

E/CS Research Comments: REQUESTOR CONFIRMED THE PRODUCT HAS SHOWN GOOD EFFICACY AGAINST THE SAME PATHOGEN ON STRAWBERRY, AND IT HAS BEEN LABELED ON APPLE FOR CONTROL OF THE SAME PATHOGEN:07/19; PER THE 2020 PERFORMANCE PROTOCOL: TESTING OMEGA 500F AT 0.521 AND 0.65 LB AI/A RATES, COMPARED WITH THE STANDARD CAPTAN; VINEYARD FOR TESTING INCLUDES 5 CULTIVARS (2 HYBRIDS AND 3 VINIFERA VARIETIES); MAKE 4 FOLIAR DIRECTED APPLIC IN 30-100 GPA, WITH 1ST APPLIC AT BLOOM, 2ND APPLIC AT BUNCH CLOSURE, 3RD APPLIC AT VERAISON AND FINAL APPLIC AT A 21-DAY PHI; EVALUATE CROP SAFETY, DISEASE INCIDENCE AND DISEASE SEVERITY; IN 2021 PERFORMANCE PROTOCOL, TESTING SAME USE PATTERN AS IN 2020 PROTOCOL; 1 PERFORMANCE TRIAL IS PLACED IN NORTHEAST REGION: 02/21;

Comments: NO KEY EXPORT MARKETS NOTED:04/19; MFG THINKS REQUESTED RATE IS WAY TOO LOW (MAYBE UP TO 1.5 PT/A?); THERE IS A U.S. IMPORT TOLERANCE FOR WINE GRAPES, WITH USE ON GRAPES IN A NUMBER OF OTHER COUNTRIES; IR-4 TO SHARE WITH MFG ANY EFFICACY DATA AVAILABLE FROM THE REQUESTOR, WHICH COULD HELP IN CHANGING PROJECT STATUS TO A RESEARCHABLE CATEGORY:07/19; EPA GREEN:09/19; MFG APPROVED, RESIDUE AND E/CS DATA NEEDED, AT FUW:09/19; BASED ON CHEMSAC APPROVAL OF AN IR-4 PROPOSAL TO USE EXISTING FOREIGN DATA TO SUPPORT A U.S. TOLERANCE, AN IR-4 RESIDUE STUDY IS NOT REQUIRED:05/20; THE STUDY HAS BEEN CANCELLED EFF 5/12/20 AS THE US EPA CONFIRMED THERE IS SUFFICIENT DATA ALREADY IN PLACE FOR A LABELLED USE:05/20

NER-EPA Region-FRD **NCR-EPA Region-FRD** **SOR-EPA Region-FRD** **WSR-EPA Region-FRD** **CANADA-EPA Region-FRD**

21-MDP01 Hu, Dr. Mengjun

2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12611	-NONE	+	BATTS	QUINCLORAC (ADAMA,ALBAGH)	GRAPE	SMALL FRUIT VINE CLIMBING SUBGROUP, EXCEPT FUZZY KIWIFRUIT (13-07F)

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

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

E/CS Data Requirements:

E/CS Research Comments:

Comments: NO EXPORT MARKETS NOTED:08/18; EPA GREEN:09/19; MFG CHANGED FROM UNDER EVAL TO POTENTIAL AT FUW:09/24/19

NER-EPA Region-FRD		NCR-EPA Region-FRD		SOR-EPA Region-FRD	WSR-EPA Region-FRD		CANADA-EPA Region-FRD
21-NJP02	Besancon, Thierry	21-MIP07	Chaudhari, Dr. Sushila		21-CAP14	Hanson, Brad	
21-NYP05	Sosnoskie, Lynn				21-ORP08	Moretti, Marcelo	

2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13104	-NONE	A	PIKE	SPINOSAD (CORTEVA,SYNGEN)	CORN (SWEET) (SEED TRT)	CEREAL GRAINS AND CEREAL GRAINS FORAGE/FODDER/STRAW GROUPS (15-16)

Reason for Need: SEEDCORN MAGGOT (SCM), DELIA PLATURA (MEIGEN); SCM IS A MAJOR PEST OF MANY AGRICULTURAL CROPS BECAUSE IT ATTACKS GERMINATING SEEDS AND SEEDLINGS; OFTEN A PROBLEM IN THE SPRING WHEN SOIL TEMPERATURES ARE COOL AND SOIL MOISTURE IS HIGH, SCM CAN DEVASTATE CROPS RESULTING IN COMPLETE PLANT STAND LOSS; BECAUSE SCM IS A UBIQUITOUS PEST ON MOST FARMS, IT IS CONSIDERED A VERY COMMON ANNUAL PEST; FOR SWEET CORN, SCM DAMAGE FREQUENTLY STUNTS PLANT GROWTH, WHICH MAY REDUCE YIELD; BECAUSE SCM ATTACKS CROPS SHORTLY AFTER PLANTING AND NO RESCUE TREATMENT IS HIGHLY EFFECTIVE, VEGETABLE GROWERS MUST USE A PREVENTATIVE CONTROL MEASURE AT PLANTING; FOR CONVENTIONAL VEGETABLE GROWERS, A NEONICOTINOID SEED TREATMENT LIKE THIAMETHOXAM (CRUISER 5FS) OR CLOTHIANIDIN (PONCHO) MAY BE AN OPTION; HOWEVER, WITH THE PUBLIC SCRUTINY OVER NEONICOTINOID INSECTICIDE USE IN FOOD PRODUCTION, ALTERNATIVE INSECTICIDE SEED TREATMENT OPTIONS ARE NEEDED; MOREOVER, ORGANIC GROWERS HAVE NO EFFECTIVE OPTIONS FOR MANAGING SCM INFESTATIONS; REGARD SC (SPINOSAD) SEED TREATMENT WOULD BE AN IDEAL ALTERNATIVE FOR THOSE INTERESTED IN SHIFTING AWAY FROM NEONICOTINOIDS; ADDITIONALLY, BECAUSE REGARD SC IS OMRI-LISTED, IT WOULD PROVIDE ORGANIC GROWERS WITH AN EXCELLENT SCM CONTROL OPTION; REGARD SC IS CURRENTLY REGISTERED AS A SEED TREATMENT ONLY FOR BULB CROPS LIKE ONION TO MANAGE ONION MAGGOT, DELIA ANTIQUA (MEIGEN), AND SCM; REGARD MAY BE AN OPTION ALONE OR IN COMBINATION WITH OTHER CROP PROTECTANTS IN THE FARMORE FI500 SEED TREATMENT PACKAGE; REGARD IS CURRENTLY THE INDUSTRY STANDARD FOR ONION GROWERS IN THE US; A SIMILAR SHIFT MAY BE EXPECTED IN THE USE OF REGARD TO PROTECT OTHER VEGETABLE CROPS THAT ARE ATTACKED BY SCM

Use Pattern: (PCR): USE THE REGARD SC PRODUCT; MAKE ONE SEED TREATMENT APPLIC OF 0.5 MG AI/SEED; SEED MUST BE TREATED BY A COMMERCIAL SEED TREATMENT COMPANY

E/CS Data Requirements: MFG REQUIRES E/CS DATA:09/20

E/CS Research Comments:

Comments: KEY EXPORT MARKETS NOTED AS EUROPE, ASIA, OTHERS:07/20; SYNG SUPPORTS, RESIDUE AND E/CS DATA NEEDED:09/20; HQ SUGGESTS IR-4 CONSIDER COVERING THIS RESIDUE REQUEST WITH A CHEMSAC PROPOSAL/NO-DATA SUBMISSION:09/20; HOWEVER, IR-4 TO GENERATE PERFORMANCE DATA; EPA GREEN:12/20

NER-EPA Region-FRD

21-DEP03 Owens, David
(efficacy & crop safety)
21-NYP08 Taylor, Alan
(seed treatment only)

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

21-CAP08 Grettenberger, Dr. Ian
(crop safety only)
21-ORP02 Peachey, Ed
(efficacy & crop safety)

CANADA-EPA Region-FRD

2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13062	-NONE	A	BATTS	FLUMETSULAM (AMVAC,DOWAGR)	CLOVER (SEED CROP)	NONGRASS ANIMAL FEEDS GROUP (18)

Reason for Need: BROADLEAF WEED CONTROL, INCLUDING SEVERAL SPECIES OF DOCK; CURRENT PRODUCTS ARE NOT PROVIDING ACCEPTABLE LEVEL OF CONTROL

Use Pattern: (PCR): THIS IS A REVISED USE PATTERN FROM PR# 11505; USE THE PYTHON PRODUCT; MAKE FOLIAR APPLIC OF 0.033-0.0665 LB AI/A; 0.033 LB AI/A TO 4 TRIFOLIATE ESTABLISHED AND SEEDLING RED, WHITE AND CRIMSON CLOVER; FOR SEEDLING RED CLOVER FOR DOCK CONTROL, USE 0.033 LB AI/A PREEMERGENT TO 4 TRIFOLIATE CLOVER; FOR ESTABLISHED AND SEEDLING RED, WHITE AND CRIMSON CLOVER, USE 0.0665 LB AI/A NOVEMBER 1 THROUGH MARCH 1 (MINIMUM 4 TRIFOLIATE FOR SEEDLING STANDS); NO PHI NOTED

E/CS Data Requirements: AMVAC REQUIRES: 1) TWO ADDITIONAL CROP TOLERANCE OBSERVATIONS ON RED CLOVER FOLLOWING PREEMERGENT TO 4-TRIFOLIATE APPLIC OF 0.033 LB AI/A; 2) TWO ADDITIONAL CROP TOLERANCE OBSERVATIONS ON RED CLOVER FOLLOWING 4-TRIFOLIATE TO FULLY ESTABLISHED APPLIC OF 0.0665 LB AI/A; 3) TWO ADDITIONAL CROP TOLERANCE OBSERVATIONS ON WHITE CLOVER FOLLOWING 4-TRIFOLIATE TO FULLY ESTABLISHED APPLIC OF 0.0665 LB AI/A; AND 4) TWO ADDITIONAL CROP TOLERANCE OBSERVATIONS ON CRIMSON CLOVER FOLLOWING 4-TRIFOLIATE TO FULLY ESTABLISHED APPLIC OF 0.0665 LB AI/A; SEE 11/20 COMMENT REGARDING NEED FOR 2 CRIMSON CLOVER TRIALS

E/CS Research Comments: E/CS PROTOCOL SIGNED 12/14/20:12/20

Comments: NO KEY EXPORT MARKETS IDENTIFIED; SEE PR# 11505 FOR STUDY THAT COULD POSSIBLY COVER THIS NEWLY REQUESTED USE PATTERN, BUT THERE ARE SOME ANALYTICAL AND CROP SAFETY CONCERNS WITH THAT STUDY; THIS LABEL IS VERY IMPORTANT FOR CLOVER FOR SEED GROWERS; POSSIBLY SHOULD CONSIDER A REGIONAL LABEL (SUCH AS WEST OF THE CASCADES); AMVAC SUPPORTS THIS USE, RESIDUE ONLY, AND MAY ASSIST WITH SOME FINANCIAL GRANT TO OFFSET RESEARCH COSTS:07/20; AMVAC DOES REQUIRE ADDITIONAL CLOVER TOLERANCE DATA, WHICH CAN BE GENERATED ALONG WITH RESIDUE DATA DURING THE SAME TIME PERIOD:08/20; AMVAC CONFIRMED FURTHER EFFICACY DATA ARE NEEDED, IN CRIMSON CLOVER ONLY; IR-4 TO CONDUCT 1 CRIMSON CLOVER TRIAL IN THE CURRENT CROP AND 1 TRIAL IN NEXT YEAR'S CROP:11/20

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
			21-ORP03 Brunharo, Caio	

2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P10974	-NONE	+	BATTS	LINURON (TKI)	CARINATA (BRASSICA CARINATA)	RAPESEED SUBGROUP (20A)

Reason for Need: SEE IF BRASSICA CAN BE PLANTED IN THE FALL AFTER USE IN SUMMER APPLIC THE SAME YEAR (CURRENTLY 16-18 MONTH PLANT-BACK RESTRICTION); PER NC ME-TOO REQUEST: RESEARCH IN NC HAS SHOWN HIGH SENSITIVITY OF BRASSICA CARINATA TO PSII INHIBITORS; ROTATIONAL CROP RESTRICTIONS TO PROPERLY DESIGN CROP ROTATIONS IN THE SOUTHEASTERN US, WHERE CARINATA WILL BE GROWN AS A WINTER CROP

Use Pattern: (PCR): 1-2 LB/A; 1 SOIL APPLIC OF LOROX DF

E/CS Data Requirements:

E/CS Research Comments:

Comments: IS NOT CURRENTLY LABELED ON CANOLA; REQUEST IS TO REDUCE ROTATIONAL CROP RESTRICTION ON THE CURRENT LABEL:06/12; MFG OK:02/13: POTENTIAL CHANGED TO E/CS DATA ON-GOING:12/20

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
		21-FLP09 Devkota, Pratap		
		21-NCP04 Leon, Ramon G		

2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12867	-NONE	A	BATTS	S-METOLACHLOR/METOLACHLOR (SYNGEN,UPL NA)	GOLD-OF-PLEASURE (CAMELINA)	RAPESEED SUBGROUP (20A)

Reason for Need: GRASS AND SOME BROADLEAF WEEDS (WILL NOT CONTROL EMERGED WEEDS); THIS IS ONE OF THE ONLY OPTIONS FOR FAIR-GOOD CONTROL OF PIGWEED AND WATERHEMP, TWO OF THE MOST PROBLEMATIC WEEDS OF THE REGION

Use Pattern: (PCR): MAKE ONE BROADCAST APPLIC OF 2 PT/A TO THE SOIL; APPLY IN SPRING, BUT NO LATER THAN EARLY BOLTING; RAIN IS REQUIRED TO INCORPORATE THE PRODUCT

E/CS Data Requirements: NEED A TRIAL IN MT IN 2021:10/20

E/CS Research Comments: PER 2020 PERFORMANCE PROTOCOL: TESTING 3 RATES OF DUAL MAGNUM (0.95, 1.90, 3.81 LB AI/A); MAKE 1 PRE-EMERGENCE BROADCAST APPLIC OF EACH TREATMENT, IN 10-40 GPA, AFTER SEEDING AND BEFORE CROP OR WEEDS EMERGE; TO ACTIVATE HERBICIDE, AT LEAST 0.5 INCH OF WATER (RAIN AND/OR IRRIGATION) IS NEEDED WITHIN 7 DAYS AFTER APPLIC; EVALUATE CROP INJURY, WEED CONTROL AND CROP DEVELOPMENT AND YIELD; IN THE SD TRIAL, FOLLOW THE SAME PROTOCOL AND MAKE THE SAME EVALUATIONS, EXCEPT INCLUDE A SECOND APPLIC OF EACH TREATMENT, POSTEMERGENCE TO THE ESTABLISHED CROP JUST BEFORE FLOWER STALK ELONGATION (BOLTING)

Comments: DATA MINING REPORTS FROM XH504 COPIED TO THIS PR#; NO KEY EXPORT MARKET NOTED; CROP REQUESTED WAS WINTER CAMELINA:08/19; MFG MADE RESEARCHABLE:09/17/19; EPA GREEN:12/19; THIS STUDY IS IN THE PROCESS OF BEING CANCELLED AND AN 4 ADDITIONAL FT'S WILL BE CONDUCTED UNDER NEWLY CREATED PR# 13177:10/20

NER-EPA Region-FRD | **NCR-EPA Region-FRD** | **SOR-EPA Region-FRD** | **WSR-EPA Region-FRD** | **CANADA-EPA Region-FRD**

21-MTP01 Miller, Dr Zach

2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13120	-NONE	A	BATTS	GLUFOSINATE (BASF,UPL NA)	SAFFLOWER	SUNFLOWER SUBGROUP (20B)

Reason for Need: HAIRY FLEABANE (CONYZA BONARIENSIS), HORSEWEED (CONYZA CANADENSIS); GROWERS ARE UNABLE TO CONTROL THESE WEED SPECIES WITH CURRENT REGISTERED HERBICIDES; GLUFOSINATE CANNOT BE USED IN A SAFFLOWER PRODUCTION SYSTEM AS IT HAS A RESTRICTIVE ROTATION INTERVAL OF 180 DAYS BEFORE SAFFLOWER CAN BE PLANTED

Use Pattern: (PCR): USE THE RELY 280 PRODUCT; MAKE 2 FOLIAR APPLIC OF 0.88 LB AI/A (48 FL OZ PRODUCT/A); 7-DAY INTERVAL; PHI IS TBD; USE THIS AI TO CONTROL WEEDS PRIOR TO PLANTING SAFFLOWER (IR-4 HQ SUGGESTS THIS BE CONSIDERED A PREPLANT BURNDOWN USE)

E/CS Data Requirements: BASF REQUIRES NO EFFICACY TRIALS, BUT REQUIRES AT LEAST 3 CROP SAFETY TRIALS TO GENERATE REQUIRED DATA TO SUPPORT CA REGISTRATION (BASF WILL COST SHARE [50%] FOR THE CROP SAFETY TRIALS); ALSO, BASF REQUESTS SEED SAMPLES (AT LEAST 2 COMMONLY GROWN VARIETIES) TO CONDUCT LEVEL OF TOLERANCE WORK IN THEIR GREENHOUSES

E/CS Research Comments:

Comments: NO KEY EXPORT MARKETS WERE NOTED; MFG SUPPORTS THIS PREPLANT BURNDOWN USE, RESIDUE AND E/CS DATA REQUIRED (BUT NO EFFICACY, JUST CROP SAFETY); CONSIDER DOING RESIDUE WORK ON SUNFLOWER AS THE REP CROP FOR SUBGROUP 20B, AND CONSIDER TRIAL SITES IN CANADA IF PMC HAS INTEREST IN A JOINT PROJECT:08/20; THIS WAS GIVEN AN "A" PRIORITY AT THE 2020 FUW, BUT IT WAS DECIDED THE RESIDUE STUDY WILL BE DONE UNDER SUNFLOWER, FOR WHICH A NEW PR# 13178 WAS CREATED:10/20: RESEARCHABLE, RESIDUE & E/CS DATA NEEDED CHANGED TO E/CS ON-GOING:12/20

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
			21-CAP11 Hanson, Brad	
			21-CAP12 Hanson, Brad	
			21-CAP13 Hanson, Brad	

2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12668	-NONE	A	PIKE	ACETAMIPRID (NISSO,UPL NA)	SUNFLOWER	SUNFLOWER SUBGROUP (20B)

Reason for Need: RED SUNFLOWER WEEVIL; POSSIBLE RESISTANCE TO PYRETHROIDS

Use Pattern: (PCR): USE THE ASSAIL PRODUCT; MAKE 4 FOLIAR APPLIC OF 0.1 LB AI/A IN A MINIMUM 5 GPA BY GROUND, 28-DAY PHI (NO INTERVAL BETWEEN APPLIC PROVIDED); HQ RECOMMENDS: 0.18 LB AI/A, 4 APPLIC, 7-14 DAY INTERVAL, 14-DAY PHI

E/CS Data Requirements: NEED TO DO PERFORMANCE WORK ON SAFFLOWER (12032) AT THE SAME TIME AS ON SUNFLOWER, IN ORDER TO PUT SAFFLOWER ON THE LABEL, TOO:06/19; MFG REQUESTS 2 EFFICACY TRIALS:11/19

E/CS Research Comments: IN THE 2020 PERFORMANCE PROTOCOL: TEST THE ASSAIL 30 SG PRODUCT AT 0.09 AND 0.18 LB AI/A RATES, FOLIAR APPLIC, VS A STANDARD, APPLIED IN 20-50 GPA; MAKE UP TO 3 APPLIC, AT NO LESS THAN A 7-DAY INTERVAL, BEGINNING WHEN THE PEST TARGET IS PRESENT (RED SUNFLOWER WEEVIL); DON'T WAIT FOR A DAMAGING POPULATION TO OCCUR BEFORE FIRST APPLIC; COLLECT DATA ON PEST EFFICACY AND CROP SAFETY; YIELD DATA ARE OPTIONAL (IN 2021 PERFORMANCE PROTOCOL, TESTING SAME USE PATTERN AS IN 2020 PROTOCOL)

Comments: NO EXPORT MARKETS NOTED; WEEVILS ARE USUALLY DIFFICULT TO CONTROL, AND A HIGHER RATE THAN REQUESTED MIGHT BE NEEDED; CAN COVER TOLERANCE FOR SUBGROUP 20B COMMODITIES, INCLUDING THE USE REQUESTED FOR SAFFLOWER (PR# 12032, WHICH INCLUDES A 28-DAY PHI):01/19; MFG SUPPORTS, RESIDUE AND PERFORMANCE DATA NEEDED:02/19; EPA CAUTION:07/19

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
	21-SDP01 Reicks, Graig			
	21-SDP02 Reicks, Graig			

2021 Tentative/Scheduled Studies
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Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13026	-NONE	+	BATTS	INDAZIFLAM (BAYER)	ASPARAGUS	STALK AND STEM VEGETABLE SUBGROUP (22A)

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

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

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

E/CS Research Comments:

Comments: SEE E/CS DATA REQUIREMENTS FOR NEW BAYER ASSESSMENT; STATUS CHANGED TO POTENTIAL:06/20; RELATED PR# 11429, SUBMITTED 2/23/14, WAS AN "A" PRIORITY IN 2015 AND RESIDUE STUDY WAS CANCELED IN 2020 BASED ON PHYTOTOXICITY; ADDITIONAL CROP SAFETY TRIALS WITH LONGER PHI APPEAR PROMISING; REVISED USE PATTERN IS FOR 30 DAY PHI OR POST HARVEST APPLIC; THIS PR# WAS CREATED TO ALLOW CONSIDERATION OF A NEW STUDY TO SUPPORT A USE PATTERN THAT IS SAFE:07/20; CATEGORY OF POTENTIAL: E/CS DATA BEFORE APPROVAL FOR RESIDUE CHANGED TO E/CS DATA ON-GOING:02/21

NER-EPA Region-FRD		NCR-EPA Region-FRD		SOR-EPA Region-FRD	WSR-EPA Region-FRD		CANADA-EPA Region-FRD
21-NJP03	Besancon, Thierry	21-MIP08	Chaudhari, Dr. Sushila		21-CAP16	Hanson, Brad	
					21-ORP07	Peachey, Ed	

2021 Tentative/Scheduled Studies
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Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13049	-NONE	+	BATTS	GLUFOSINATE (BASF,UPL NA)	CARAMBOLA (STARFRUIT)	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, EDIBLE PEEL SUBGROUP (23B)

Reason for Need: PARTHENIUM WEEDS PRIMARILY, OTHERS TOO; GLYPHOSATE DOES NOT CONTROL PARTHENIUM

Use Pattern: (PCR): USE THE RELY PRODUCT; MAKE 5 WEED-GROUND DIRECTED APPLIC OF 48-83 FL OZ PRODUCT/A; 15-60 DAY INTERVAL, 1-DAY PHI; MAKE WEED DIRECTED APPLIC WHEN WEEDS ARE SMALL (<12" TALL); DON'T ALOW TO DRIFT TO CROP PLANTS

E/CS Data Requirements: NO EFFICACY DATA NEEDED, BUT CROP SAFETY DATA IS NEEDED; BASF REQUIRES 2 MULTI-YEAR CROP SAFETY TRIALS IN FL (SEPARATE SITES ON DIFFERENT SOILS IF APPLICABLE, BUT SAME TREES IN YEAR 1 AND 2) WITH MULTIPLE APPLIC AT EXAGGERATED USE RATES:08/20

E/CS Research Comments:

Comments: NO KEY EXPORT MARKET NOTED:06/20; BASF SUPPORTS THIS USE, RESIDUE AND E/CS (CROP SAFETY ONLY) DATA NEEDED:08/20; BASF CONFIRMED THAT ONLY E/CS DATA ARE NEEDED (ONLY CROP SAFETY), AS THE FIG AND QUAVA SUBMISSIONS WILL COVER CARAMBOLA WITH A SUBGROUP 23B TOLERANCE (RESIDUE STUDY GAPS WERE THE SAME):09/20

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
		21-FLP10 Crane, Dr. Jonathan H. (newly established trees) 21-FLP14 Crane, Dr. Jonathan H. (young, bearing trees)		

2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12898	-NONE	A	AXTELL	METHOXYFENOZIDE (CORTEVA)	FIG	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, EDIBLE PEEL SUBGROUP (23B)

Reason for Need: NAVEL ORANGEWORM (PYRALIDAE: AMYELOIS TRANSITELLA); NAVEL ORANGEWORM (NOW) IS A KEY PEST OF FIGS, BUT MORE FREQUENTLY ASSOCIATED WITH TREE NUTS (ITS PREFERRED HOST); MOST NOW SPRAYS IN TREE NUTS CONSIST OF PYRETHROIDS, METHOXYFENOZIDE, AND/OR CHLORANTRANILIPROLE -- THE LATTER TWO ARE WHAT UC IPM IS SUGGESTING FOR NOW, BECAUSE THEY'RE SOFTER AND NOW THERE IS RESISTANCE TO PYRETHROIDS IN CA; CURRENTLY ONLY CHLORANTRANILIPROLE IS REGISTERED FOR USE ON FIGS; FOR THIS SOFTER SPRAY PROGRAM TO BE EFFECTIVE FIG GROWERS SHOULD HAVE ACCESS TO BOTH PRODUCTS

Use Pattern: (PCR): USE INTREPID; MAKE FOLIAR APPLIC OF 12-24 OZ/A, 6-DAY INTERVALS (4 HR INTERVAL IN THE REQUEST IS THE REI), 7-DAY PHI

E/CS Data Requirements:

E/CS Research Comments:

Comments: CANADA IS NOTED AS A KEY EXPORT MARKET; MFG SUPPORTS, RESIDUE ONLY:09/19; MFG CONFIRMED THEY WOULD NOT SUPPORT AN IMPORT TOLERANCE INTO CANADA:06/20; EPA GREEN:08/20; TO BE SUPPORTED WITH 2021 CA GRANT FUND $$S:09/20

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
			21-CAP19 (CDFA $) Wilson, PhD, Houston	
			21-CAP20 (CDFA $) Wilson, PhD, Houston	

2021 Tentative/Scheduled Studies
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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13075	-NONE	A	HOMA	PENTHIOPYRAD (DUPONT)	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

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:

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 MANGO (PR#12997):06/20; CORTEVA SUPPORTS THIS REQUEST, AND MINIMALLY WOULD NEED RESIDUE AND CROP SAFETY DATA:08/20; EPA GREEN:12/20

NER-EPA Region-FRD | **NCR-EPA Region-FRD** | **SOR-EPA Region-FRD** | **WSR-EPA Region-FRD** | **CANADA-EPA Region-FRD**

21-FLP05 Gazis, Dr. Romina

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Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13057	-NONE	A	PIKE	ACETAMIPRID (NISSO,UPL NA)	DRAGON FRUIT (PITAYA)	TROPICAL AND SUBTROPICAL, CACTUS, INEDIBLE PEEL SUBGROUP (24D)

Reason for Need: PLANT BUGS, THRIPS, LEAF HOPPERS; NOTHING REGISTERED FOR THEIR CONTROL

Use Pattern: (PCR): USE THE ASSAIL 70WP PRODUCT; MAKE 4 FOLIAR APPLIC OF 1.9-2.9 OZ PRODUCT/A, 7-10 DAY INTERVAL, 7-DAY PHI; BEGIN APPLIC WHEN THRIPS/INSECT DAMAGE IS FIRST OBSERVED; THOROUGH COVERAGE IS IMPORTANT; USE A SPRAY SURFACTANT TO IMPROVE COVERAGE AND CONTROL

E/CS Data Requirements:

E/CS Research Comments:

Comments: NO KEY EXPORT MARKET NOTED:06/20; MFG SUPPORTS, RESIDUE AND E/CS DATA NEEDED:07/20; EPA GREEN:12/20

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
		21-FLP06 Carrillo, D.		

2021 Tentative/Scheduled Studies
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Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13046	-NONE	A	HOMA	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:

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
		21-FLP07 Crane, Dr. Jonathan H.		

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Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12791	-NONE	A	BATTS	ACIFLUORFEN (UPL NA)	BASIL	HERB FRESH AND DRIED LEAVES SUBGROUP (25AB)

Reason for Need: ANNUAL BROADLEAVES AND GRASSES; THE RESULT SHOULD BE BETTER QUALITY FRESH PRODUCT, AND LARGER YIELDS; FEW SAFE AND EFFECTIVE HERBICIDES ARE LABELED FOR BASIL; PER IL ME-TOO REQUEST, NEED PURSLANE CONTROL, FOR WHICH OTHER HERBICIDES ARE NOT AS EFFECTIVE; PER HI ME-TOO REQUEST, BASIL GROWERS THERE NEED AN EFFECTIVE HERBICIDE FOR ROUND-UP RESISTANT WEEDS AND FOR POST EMERGENCE USE SINCE THE GROWING SEASON IS YEAR ROUND; PER CA ME-TOO REQUEST, THEY STRUGGLE WITH A VARIETY OF HORRIBLE WEED PROBLEMS AND CURRENTLY AVAILABLE HERBICIDE OPTIONS DO VERY LITTLE, IF ANYTHING AT ALL:08/19

Use Pattern: (PCR): USE ULTRA BLAZER PRODUCT; MAKE 1 PREEMERGENCE APPLIC TO THE SOIL AFTER SEEDING BASIL, USING 0.25-0.375 LB AI/A, 60-DAY PHI; DO NOT APPLY POSTEMERGENCE TO BASIL

E/CS Data Requirements: NEED 1 MORE E/CS TRIAL IN 2021:10/20

E/CS Research Comments: IN 2020 PERFORMANCE PROTOCOL: TESTING 0.375 AND 0.75 LB AI/A RATES OF ULTRA BLAZER, VS A COMMERCIAL STANDARD, IN 10-40 GPA, APPLIED BROADCAST TO THE SOIL SURFACE AFTER SEEDING OF BASIL BUT BEFORE CROP EMERGENCE; EVALUATING CROP SAFETY, WEED CONTROL AND CROP YIELD/GRADE

Comments: NO EXPORT MARKETS NOTED:08/19; MFG APPROVED PER 9/23/19 EMAIL, RESIDUE AND E/CS DATA NEEDED:09/19; EPA GREEN:12/19;

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
		21-FLP01 Dittmar, Dr. Peter	21-CAP03 Wang, Zheng (no $)	

2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13067	-NONE	A	HOMA	FLUOXAPIPROLIN (BAYER)	BASIL	HERB FRESH AND DRIED LEAVES SUBGROUP (25AB)

Reason for Need: DOWNY MILDEW; RENDERS CROP UNMARKETABLE; A DIVERSITY OF FUNGICIDE CHEMISTRIES ARE NEEDED TO MANAGE RESISTANCE DEVELOPMENT; BECAUSE OF LABEL RESTRICTIONS LIMITING TOTAL NUMBER OF APPLIC OF REGISTERED FUNGICIDES; PER HI ME-TOO REQUEST: DOWNY MILDEW IS A SERIOUS PROBLEM IN BASIL IN HI; NEED DIFFERENT MOA FUNGICIDES FOR ROTATION FOR RESISTANCE MANAGEMENT; PER MI ME-TOO REQUEST: THIS USE WOULD BE GOOD TO HAVE IN THE GH FOR TRANSPLANTS FOR RETAIL SALE TO HOME GARDENING CONSUMERS; ADDITIONAL AIs ARE NEEDED; PER FL ME-TOO REQUEST: GIVEN YEAR-ROUND SURVIVAL OF DOWNY MILDEW INOCULUM IN FL, MULTIPLE MODES OF ACTION ARE NECESSARY FOR MANAGEMENT

Use Pattern: (PCR): MAKE 3 FOLIAR APPLIC OF THE 20 SC PRODUCT, AT 13.69 OZ PRODUCT/A, 7-DAY INTERVAL, 0-DAY PHI

E/CS Data Requirements:

E/CS Research Comments: TRIALS CARRIED OUT IN 2021 IN NY AND FL ON SWEET BASIL: 03/21

Comments: NO KEY EXPORT MARKET NOTED; USE PATTERN/RATE ARE BASED ON MFG RECOMMENDATIONS FOR A VARIETY OF CROPS:07/20; MFG SUPPORTS, RESIDUE AND E/CS:09/20

NER-EPA Region-FRD		NCR-EPA Region-FRD	SOR-EPA Region-FRD		WSR-EPA Region-FRD	CANADA-EPA Region-FRD
21-NYP06	McGrath, Dr. Margaret		21-FLP16	Raid, Dr. Richard		

2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

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Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12843	-NONE	+	BATTS	PYRIDATE (BELCHIM)	BASIL	HERB FRESH AND DRIED LEAVES SUBGROUP (25AB)

Reason for Need: WEEDS; NO POSTEMERGENCE HERBICIDE LABELED FOR CONTROLLING PIGWEEDS AND COMMON LAMBSQUARTERS; CURRENT LABELED PREEMERGENCE DO NOT PROVIDE SUFFICIENT CONTROL OF REDROOT/SMOOTH PIGWEED; PER CA ME-TOO REQUEST, THERE ARE HORRIBLE WEED PROBLEMS IN THEIR BASIL FIELDS

Use Pattern: (PCR): USE TOUGH HERBICIDE; MAKE ONE FOLIAR POSTEMERGENCE APPLIC OF 0.94 LB AI/A, 45-DAY PHI; SEE MINT DIRECTIONS ON TOUGH HERBICIDE SEC. 18 LABEL; FOR BEST EFFICACY, PIGWEEDS SHOULD BE 3 INCHES OR LESS IN HEIGHT AT TIME OF APPLIC

E/CS Data Requirements:

E/CS Research Comments:

Comments: NO EXPORT MARKETS NOTED; MFG SUPPORTS, RESIDUE AND CROP SAFETY DATA NEEDED:08/19; EPA CAUTION:08/20; MFG CONFIRMED THE STATUS SHOULD BE CHANGED TO "POTENTIAL", SO THE 2020 FUW "A" PRIORITY WAS REMOVED DURING THE NRPM AND WILL REMAIN A PERFORMANCE STUDY ONLY AT THIS TIME:10/20; POTENTIAL CHANGED TO E/CS ON-GOING:12/20

NER-EPA Region-FRD		NCR-EPA Region-FRD		SOR-EPA Region-FRD		WSR-EPA Region-FRD		CANADA-EPA Region-FRD
21-NJP01	Besancon, Thierry	21-MIP11	Chaudhari, Dr. Sushila	21-FLP15	Dittmar, Dr. Peter	21-CAP09	Wang, Zheng	
						21-CAP10	Wang, Zheng	
						21-CAP18	Wang, Zheng	

2021 Tentative/Scheduled Studies
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Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P11921	-NONE	A	BATTS	SAFLUFENACIL (BASF)	MINT	HERB FRESH AND DRIED LEAVES SUBGROUP (25AB)

Reason for Need: BROADLEAF WEEDS: PRICKLY LETTUCE (LACTUCA SERRIOLA), KOCHIA (KOCHIA SCOPARIA), COMMON GROUNDSEL (SENECIO VULGARIS), AMARANTHUS SPECIES SUCH AS REDROOT PIGWEED (A. RETROFLEXUS)/PALMER AMARANTH (A. PALMERI/WATERHEMP (A. RUDIS), MUSTARDS, SHARPPOINT FLUVELLIN (KICKXIA ELATINE) - BIGGER BROADLEAF WEEDS AND/OR WINTER HARDENED WEEDS THAT PARAQUAT MISSES

Use Pattern: (PCR): USE THE SHARPEN PRODUCT; APPLY 0.044 LB AI/A (IN THE PROJECT REQUEST WAS STATED 0.44 LB AI/A) IN A MINIMUM 10 GPA, POST-EMERGENT TO WEEDS BUT PRIOR TO EMERGENCE OF MINT FROM DORMANCY OR AFTER FIRST CUTTING BEFORE REGROWTH

E/CS Data Requirements: MFG REQUESTS PREFERABLY 2 MORE CROP SAFETY TRIALS WITH SHARPEN APPLIED TO MINT IN DORMANCY AT 2, 4 AND 6 FL OZ/A (1X, 2X, 3X); MFG REVISION 09/17: NEED MINIMUM 6 TRIALS, DONE OVER 2 YRS, WITH SHARPEN APPLIED AT 2, 4, 6, FL OZ/A (0/1X/2X/3X) PLUS LABELED ADDITIVE (FOR OPTIONAL BURNDOWN) TO MINT IN WINTER DORMANCY; DATA IS PREFERRED ON BOTH SPEARMINT AND PEPPERMINT; SEPARATE FULL PROGRAM IS NEEDED FOR MINT GROWERS IN THE GREAT LAKES REGION:09/17; AFTER REVIEW OF MRC 2018 CROP SAFETY DATA, MFG SUGGESTS A REPEAT OF THE 2018 MRC PROGRAM IN SCOPE AND SIZE TO PROVIDE FURTHER CROP SAFETY DATA ON MINT; USE PATTERN MUST BE DORMANT APPLIC OF A MAX 0.044 LB AI/A:09/11/19; BASF REQUIRES NO EFFICACY DATA; BASF ENCOURAGES FURTHER CROP SAFETY WORK IN THE PNW REGION TO FINE-TUNE THE USE PATTERN AND BETTER UNDERSTAND POTENTIAL CROP RESPONSE; BASF ALSO REQUIRES 3-5 CROP SAFETY TRIALS (CAN BE SPREAD OVER 2 YR) IN THE MIDWEST/GREAT LAKES REGION TO DEVELOP A SAFE USE PATTERN (SUPPORT IN THIS REGION IS CONTINGENT ON RESULTS OF THESE TRIALS):09/20

E/CS Research Comments: REGARDLESS OF THE REGION, BASF WILL REQUIRE A STRONG DISCLAIMER ON THE LABEL TO ALERT THE USER ABOUT POTENTIAL FOR CROP INJURY/IMPACT ON YIELD:09/20; MINT INDUSTRY RESEARCH COUNCIL MAY HAVE SUFFICIENT TRIAL DATA THAT NEGATE THE NEED FOR IR-4 FUNDED TRIALS IN 2021:11/20; E/CS PROTOCOL SIGNED 12/14/20:12/20

Comments: MFG REQUIRES MORE CROP SAFETY DATA BEFORE APPROVING RESIDUE STUDY:06/16; MFG NEEDS TO EVALUATE NEW DATA RECEIVED FROM MINT RESEARCHERS TO DETERMINE IF RESIDUE WORK CAN BE SUPPORTED:05/19; AFTER MFG REVIEW OF 2018 MINT RESEARCH COUNCIL (MRC) TRIAL RESULTS (CROP INJURY OBSERVED HAD NO APPARENT HAY/OIL YIELD IMPACT), THEY REQUIRE A BETTER UNDERSTANDING OF THE CORRELATION BETWEEN INITIAL CROP INJURY/CROP RECOVERY/YIELD RESPONSE AND GROWER ACCEPTANCE OF THESE; AND THE REQUEST REMAINS "POTENTIAL" (SEE E/CS DATA REQUIREMENTS FIELD FOR TRIAL NEEDS):09/11/19; BASF NOW SUPPORTS USE OF SAFLUFENACIL ON MINT (DORMANT STAGE ONLY), RESIDUE AND CROP SAFETY DATA NEEDED: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
	21-WIP02 Heider, Daniel J. 21-INP01 Meyers, Stephen L 21-INP02 Meyers, Stephen L			

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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P8690	-NONE	A	BATTS	QUIZALOFOP (AMVAC,GOWAN)	DILL (DRIED LEAVES)	HERB DRIED LEAVES SUBGROUP (25B)

Reason for Need: GRASSY WEEDS

Use Pattern: (PCR): 0.48 LB AI/A; POST EMERGENT; USE NON-IONIC SURFACTANT (THE PCR USE RATE SHOWN HERE LIKELY WAS INTENDED TO BE 0.048 LB AI/A, NOT 0.48 LB AI/A)

E/CS Data Requirements: 3-4 TRIALS; DIFFERENT LOCATION, AT LEAST 2X MAYBE 4X; NEED 2 MORE E/CS TRIALS IN 2021

E/CS Research Comments: PER THE 2020 PERFORMANCE PROTOCOL: TEST THE ASSURE II PRODUCT, APPLIED ONCE POSTEMERGENCE IN 10-40 GPA, INCLUDING A NON-IONIC SURFACTANT AT 0.25 % V/V, WHEN GRASS WEEDS ARE NO MORE THAN 4 INCHES IN SIZE; TEST 0.048, 0.096 AND 0.193 LB AI/A RATES; EVALUATE CROP SAFETY AND WEED CONTROL (CROP YIELD DATA ARE OPTIONAL)

Comments: MFG REQUIRES CROP SAFETY DATA PRIOR TO RESIDUE TRIALS:06/05; MFG CHANGED TO RESIDUE AND E/CS:06/19; EPA GREEN:09/19

NER-EPA Region-FRD	NCR-EPA Region-FRD		SOR-EPA Region-FRD		WSR-EPA Region-FRD	CANADA-EPA Region-FRD
	21-MIP02	Chaudhari, Dr. Sushila	21-FLP02	Dittmar, Dr. Peter		

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PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12596	-NONE	+	HOMA	COPPER HYDROXIDE (AGTROL,DREXEL,GOWAN)	MIRACLE FRUIT	SPICES CROP GROUP (26)

Reason for Need: FUNGAL PATHOGENS OF FRUIT (ANTHRACNOSE); THERE ARE NO FUNGICIDES REGISTERED FOR THIS CROP

Use Pattern: (PCR): USE PATTERN IS SIMILAR TO OTHER TROPICAL CROPS LIKE MANGO; USE KOCIDE 2000; MAKE 8 FOLIAR APPLIC OF 4-9 LB/A, 14-30 DAY INTERVAL, 10-DAY PHI; BEGIN APPLIC WHEN ENVIRONMENTAL CONDITIONS ARE SUITABLE FOR FUNGAL DEVELOPMENT, AND CONTINUE TILL HARVEST

E/CS Data Requirements:

E/CS Research Comments:

Comments: NO EXPORT MARKETS NOTED; COPPER IS EXEMPT FROM THE REQUIREMENT OF A TOLERANCE:07/18; GOWAN HAS A COPPER HYDROXIDE CHLORIDE COMBO, SO IT COULD BE A FIT FOR PERVISTO; WOULD ADD USE TO THIS LABEL, WITH SUPPORTING PERFORMANCE DATA:06/19; EPA GREEN:09/19; CATEGORY OF NEEDS E/CS DATA ONLY UPDATED TO E/CS DATA ON-GOING:02/21

NER-EPA Region-FRD | **NCR-EPA Region-FRD** | **SOR-EPA Region-FRD** | **WSR-EPA Region-FRD** | **CANADA-EPA Region-FRD**

21-FLP11 Crane, Dr. Jonathan H.

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(Order by Crop Group, Commodity, Chemical)

Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13007	-NONE	A	HOMA	ISOFETAMID (ISK)	HEMP	MISC GROUP (99)

Reason for Need: SCLEROTINIA, BOTRYTIS, POWDERY MILDEW, ANTHRACNOSE; NO CONVENTIONAL PESTICIDES REGISTERED FOR THIS USE; DEFINITELY HIT MANY OF THE KEY PATHOGEN CHALLENGES FOR HEMP; PER KY ME-TOO REQUEST 08/20: LEAF SPOTS, ROOT ROTS AND OTHER HEMP DISEASES ARE DEVASTATING FOR HEMP IN KY; A BROAD SPECTRUM FUNGICIDE IS CRITICAL FOR THIS CROP; PER VA ME-TOO REQUEST: A FUNGICIDE LIKE ISOFETAMID IS DESPERATELY NEEDED FOR THE RANGE OF DISEASES AGAINST WHICH IT IS EFFECTIVE; PER NY ME-TOO REQUEST: NY HAS HAD SIGNIFICANT DISEASE ISSUES CAUSED BY POWDERY MILDEW, BOTRYTIS AND TO A LESSER EXTENT SCLEROTINIA; THERE IS A LACK OF REGISTERED AND EFFECTIVE PRODUCTS TO CONTROL DISEASE; PER WI ME-TOO REQUEST: A BROAD SPECTRUM PRODUCT IS NEEDED TO CONTROL IMPORTANT DISEASES OF HEMP, FOR WHICH THERE IS CURRENTLY NO CONVENTIONAL PRODUCT; PER AL ME-TOO REQUEST: BOTRYTIS, POWDERY MILDEW AND ANTHRACNOSE ALL HAVE BEEN REPORTED ON HEMP IN AL; THERE ARE NO EFFECTIVE PRODUCTS AVAILABLE FOR THEIR CONTROL AT THIS TIME; A BROAD SPECTRUM FUNGICIDE SUCH AS ISOFETAMID WOULD MEET THE NEEDS OF THE STATE; PER TX ME-TOO REQUEST: FOLIAR FUNGAL PATHOGENS POSE A THREAT TO PRODUCTIVITY IN MANY PARTS OF TX, BUT THERE IS A LACK OF EFFECTIVE FUNGICIDES; PER VA ME-TOO REQUEST: A PRODUCT LIKE THIS, EFFICACIOUS AGAINST A BROAD RANGE OF PATHOGENS IS DESPARATELY SOUGHT BY CENTRAL AND SOUTHERN VA GROWERS WHO HAVE REPORTED MANY FOLIAR AND SOIL BORNE DISEASES ON HEMP; PER PA ME-TOO REQUEST: HEMP AS A CROP IN THE EASTERN US WILL BE ECONOMICALLY UNFEASIBLE WITHOUT FUNGICIDES TO MANAGE FOLIAR AND FLOWER DISEASE; PER LA ME-TOO REQUEST: THIS USE IS NEEDED DUE TO DISEASE LOSSES, ACREAGE INCREASES AND LACK OF REGISTERED/EFFECTIVE PRODUCTS; PER MD ME-TOO REQUEST: HEMP PRODUCTION IN THE MID-ATLANTIC WILL NOT BE FEASIBLE WITHOUT PRODUCTS AVAILABLE TO MANAGE DISEASE PESTS

Use Pattern: (PCR): USE THE KENJA PRODUCT; MAKE 5 APPLIC OF 0.267-0.572 LB AI/A, AS A FOLIAR DRENCH OR SOIL LINE APPLIC; 7-14 DAY INTERVAL, 7-DAY PHI; HQ SUGGESTS: USE 15.5 FL OZ/A (0.40 LB AI/A), 14-DAY INTERVAL, MAX OF 3 APPLIC; PER MFG: THERE IS NO DATA ON HEMP, SO APPLIC RATES/TIMING/ETC. NEED TO BE DETERMINED FOR THE DIFFERENT DISEASES; MFG SUGGESTS 13.5-22.0 FL OZ/A FOR BOTRYTIS/POWDERY MILDEW/ANTHRACNOSE, AND A SLIGHTLY LOWER RANGE (13.5-15.5 FL OZ/A) FOR SCLEROTINIA; MAKE 1-4 APPLIC PER YEAR, DEPENDING ON DISEASE TARGET

E/CS Data Requirements:

E/CS Research Comments: 4 TRIALS BEING CARRIED OUT IN 2021 (1 GH TRIAL IN TN BY Z. HANSEN; 3 TRIALS [1 GH] IN KY BY N GAUTHIER): 3/21

Comments: REQUEST IS FOR FIELD AND GH USE; NO KEY EXPORT MARKET NOTED; BY 6/18/20 EMAIL, MFG SUPPORTS THIS REQUEST, RESIDUE AND E/CS DATA NEEDED; FOR USE ON FOOD CROPS, THERE IS A LIMIT OF 2 LB AI/A/YEAR, BUT IF THIS WERE TO BE JUST A FIBER CROP, A HIGHER AMOUNT COULD BE ALLOWED BASED ON WHAT CAN BE APPLIED ON TURF:06/20; EPA GREEN:08/20; CANADA IS INTERESTED IN THIS BEING A JOINT PROJECT:10/20; CATEGORY OF RESEARCHABLE, RESIDUE & E/CS DATA NEEDED CHANGED TO E/CS DATA ONGOING WITH THE PERFORMANCE SIGNED PROTOCOL - WILL UPDATE TO RESIDUE DONE/ONGOING; E/CS DONE/ONGOING ONCE THE RESIDUE PROTOCOL IS SIGNED:02/21

NER-EPA Region-FRD NCR-EPA Region-FRD SOR-EPA Region-FRD WSR-EPA Region-FRD CANADA-EPA Region-FRD

21-KYP01 Gauthier, Nicole
(field)
21-TNP01 Hansen, Zach
(gh)
21-KYP02 Gauthier, Nicole
(field)(added ft, no $)
21-KYP03 Gauthier, Nicole
(gh)(added ft, no $)

2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13203	-NONE	H	HOMA	FLUOXAPIPROLIN (BAYER)	HOPS	MISC GROUP (99)

Reason for Need: FLUOXAPIPROLIN IS REPORTED TO BE HIGHLY EFFECTIVE AGAINST HOP DOWNY MILDEW. RESISTANCE IS KNOWN IN THE HOP DOWNY MILDEW PATHOGEN TO GROUP P 07 (33) AND GROUP 4; RESISTANCE TO NUMEROUS OTHER FUNGICIDES ARE REPORTED IN CLOSELY RELATED DOWNY MILDEW PATHOGENS. THEREFORE, USE OF FLUOXAPIPROLIN WILL ENSURE DISEASE MANAGEMENT PROGRAMS ARE BOTH EFFECTIVE AND SUSTAINABLE.

Use Pattern: (PCR): 15 OR 20 GRAMS/HA (6.07 GRAMS/ACRE OR 8.09 GRAMS/ACRE), 2 FOLIAR APPLICATIONS, 14 DAY INTERVAL, 24-DAY OR 28 DAY PHI: 2/21

E/CS Data Requirements:

E/CS Research Comments: TRIAL CARRIED OUT IN 2021 BY D. GENT IN OR ON HOPS: 03/21

Comments: US WOULD REQUIRE AT LEAST 1 EFFICACY TRIAL:02/21; EXPORT MARKET- EU, JAPAN, S. KOREA, CHINA, MEXICO, S. AMERICA, AUSTRALIA; STUDY ADDED TO E/CS TENTATIVE SCHEDULE BASED ON E-MAIL REC'D 02/17/21:02/21; CATEGORY OF RESEARCHABLE, RESIDUE & E/CS DATA NEEDED CHANGED TO E/CS DATA ONGOING:02/21; STATUS CHANGED FROM "BLANK" TO "H" SINCE IT WAS ADDED AS A 2021 STUDY:04/21

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
			21-ORP09 Gent, D. H.	

2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 7/20/2021

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P13167	-NONE	A	AXTELL	BROFLANILIDE (BASF)	SUGARCANE	MISC GROUP (99)

Reason for Need: WIREWORMS; EFFICACIOUS WIREWORM INSECTICIDES ARE NOT AVAILABLE FOR THIS SECTOR; PER LA 09/20 ME-TOO REQUEST: CURRENT CUTWORM CONTROL STRATEGIES ARE NOT AS EFFECTIVE AS NEEDED; WIREWORM LOSSES AFFECT NEW PLANT CANE STANDS, PARTICULARLY ON LIGHT SANDY SOILS

Use Pattern: (PCR): MAKE 1 APPLIC OF 25-50 G AI/HA; APPLY IN-FURROW TO THE SOIL AT PLANTING OR AS A PRE-PLANT BILLET DIP

E/CS Data Requirements: BASF REQUIRES 4-6 TRIALS (CAN BE SPREAD OVER 2 YEARS) TO DETERMINE WIREWORM EFFICACY AND CROP SAFETY FROM BOTH APPLIC TECHNIQUES, WHICH BOTH CAN BE INCLUDED IN THE SAME TRIALS

E/CS Research Comments:

Comments: NO KEY EXPORT MARKET NOTED; BASF SUPPORTS THIS REQUEST, BOTH RESIDUE AND PERFORMANCE DATA NEEDED; BOTH THE IN-FURROW AT PLANTING APPLIC AND THE PRE-PLANT BILLET DIP ARE SUPPORTED; BASF WILL COST SHARE (50%) FOR THE E/CS TRIALS:08/20; EPA CAUTION:09/20 & 12/20; EC/S PROTOCOL STILL NEEDED 03/21.;

NER-EPA Region-FRD	NCR-EPA Region-FRD	SOR-EPA Region-FRD	WSR-EPA Region-FRD	CANADA-EPA Region-FRD
		21-FLP12 Beuzelin, Julien		
		21-LAP01 Wilson, Blake E		

2021 Tentative/Scheduled Studies
Efficacy/Crop Safety (E/CS) Only

(Order by Crop Group, Commodity, Chemical)

Print Date: 7/20/2021

	NER	NCR	SOR	WSR	CANADA
ARS Total:		0	0	0	
Region Total:	22	19	30	32	0
Total:	22	19	30	32	0

Grand Trial Total: 103

Total # of PRs:	**44**
Total # Chemical:	**31**
Total # Commodity:	**38**