



Environmental Horticulture Program Research Project Sheet

<https://www.ir4project.org/ehc/ehc-registration-support-research/env-hort-extension-resources/>

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Project Name: Fungicide Crop Safety – New Products

New	Ongoing	X	Completed	Duration if ongoing or completed:	2010-2019
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Project Description:

While labels allowing the use of fungicides generally on ornamental horticulture crops is fairly common, developing crop safety data is still critical to support these 'open' labels. Many labels list the tested crops along with the plant type as well as any crops that might be injured after application. From 2010 through 2019, IR-4 has tested several new fungicides to verify and expand the screened crops.

Research Project Abstract (if available):

Abstract from 2015 Ametoctradin + Dimethomorph Crop Safety Summary

Orvego, registered with EPA on May 21, 2012 is a combination of ametoctradin (FRAC 45) and dimethomorph (FRAC 40). In 2012, IR-4 started testing Orvego (ametoctradin + dimethomorph) for safety on several ornamental horticulture crops as part of the new fungicide and bactericide crop safety project. In 2013, BASF recommended only finishing ongoing research activities due to observations of very little injury across crops. From 2012 through 2014, the IR-4 Project completed 22 trials on 9 ornamental plant genera or species examining phytotoxicity related to primarily drench applications. No injury or grow reduction was observed for any tested crop.

Abstract from 2019 Azoxystrobin Crop Safety Summary

Azoxystrobin was registered as Heritage in the United States in 1997 as a turf fungicide. In April 2003, this label was updated to include applications for certain diseases on ornamental crops. The label contains an extensive list of environmental horticulture plants where Heritage can be used without causing phytotoxicity. From 1999 to 2014, the IR-4 Project conducted 107 trials on 77 ornamental plant species examining phytotoxicity related to Heritage applications. In these trials, only 2 crops (*Pseudotsuga menziesii* and *Tsuga heterophylla*) exhibited noticeable, significant injury and that was a slight height reduction and stem swelling at the 2X and 4X rates applied as drench to emerged seedlings. Based on this information, it is recommended that 54 plants in the IR-4 trials be added to the list of tolerant plants with the precautionary statements in the Plant Safety and Tolerant Ornamentals Plant sections of the current Heritage 50WG label.

Abstract from 2019 Azoxystrobin + Difenoconazole Crop Safety Summary

Alibi Flora (azoxystrobin + difenoconazole) was registered on January 12, 2015 for use on ornamental horticulture crops and landscape ornamental horticulture plants in the United States to manage foliar, stem and crown diseases. From 2014 to 2016, the IR-4 Project conducted 41 trials on 15 ornamental plant species / genera examining phytotoxicity related to Alibi Flora applications. The data contained in this report were generated to register uses of azoxystrobin + difenoconazole for use on environmental horticulture plants. The rates tested were 8 (1X), 14 (2X) and 28 (4X) fl oz per 100 gal.

Alibi Flora was applied to fifteen (15) plant species or genera. Eight exhibited no or minimal transient injury in at least 3 trials, and two of these (*Buddleia davidii* and *Dianthus* spp.) are already in the Alibi Flora label. Seven species or genera exhibited no injury in one or two trials; six of them are already in the label. Six additional species can be considered for labelling: *Aquilegia* spp., *Calibrachoa* spp., *Lamium* spp., *Lavandula* spp., *Monarda didyma* and *Osteospermum* sp. be added to the Alibi Flora label.

Abstract from 2017 Benzovindiflupyr + Azoxystrobin Crop Safety Summary

In 2013, as part of the crop safety screening for new active ingredients and recently registered fungicides, IR-4 started testing Mural WDG (benzovindiflupyr + azoxystrobin) for safety on several ornamental horticulture crops. During 2013 to 2017, the IR-4 Project completed 78 trials on 27 ornamental plant genera or species

examining phytotoxicity related to foliar and/or drench applications. In these trials, no injury was observed on any species or genera. If a list of tested plants is placed on the Mural WDG label, 15 of the IR-4 screened plants can be added to the EPA label based on having 3 or more completed trials: *Aquilegia* sp., *Buddleia davidii*, *Buxus* sp., *Calibrachoa* sp., *Camellia* sp., *Dianthus* sp., *Helianthus* sp., *Heuchera* sp., *Juniperus* sp., *Lamium* sp., *Lavandula* sp., *Monarda* sp., *Osteospermum* sp., *Rhaphiolepis* sp., and *Scindapsus aureus*.

Abstract from 2019 Cyflufenamid Crop Safety Summary

Cyflufenamid is an active ingredient for managing foliar diseases including powdery mildew and botrytis. It is not yet registered by EPA for the ornamental horticulture industry. From 2012 to 2018, the IR-4 Project completed 55 trials on 16 ornamental plant genera or species. In these trials, 9 species or genera exhibited minimal or no injury after foliar applications. For the remaining 7 crops, sufficient information has not yet been generated. However, to date all tested crops are not sensitive to foliar applications up to 4X the proposed high label rate.

Abstract from 2022 F6123 Crop Safety Summary

F6123 is a fungicide being developed by FMC for the control of diseases on environmental horticulture crops such as anthracnose (*Colletotrichum* spp.), powdery mildew (*Erysiphe* spp.), black spot (*Diplocarpon rosae*), rusts (*Coleosporium*, *Phragmidium*, *Puccinia*, *Uromyces* spp.), leaf spots (*Alternaria*, *Cercospora*, *Cylindrocladium*, *Sclerotinia* *Septoria* spp.) and other foliar diseases. Although not yet available in the marketplace, F6123 was registered for use with EPA since November 20, 2019. The IR-4 Project completed 52 crop safety trials on 17 environmental horticulture plant species or genera from 2019 to 2021. In these trials, F6123 was applied either as a foliar spray or as a soil drench. Four genera or species (two foliar, two drench) exhibited minimal or no injury after foliar and drench applications in a minimum of three trials for each crop; these can be added to a list of tolerant plants in the new label for this active ingredient.

The fifteen remaining species or genera treated with foliar sprays exhibited minimal or no injury in the limited number of trials (one or two) for each crop.

Out of the thirteen remaining species or genera treated with a drench application, eight exhibited moderate to severe negative impacts. The other five exhibited minimal or no injury in the limited number of trials (one or two) for each crop.

Abstract from 2022 Fluopyram + Trifloxystrobin Crop Safety Summary

Broadform SC (fluopyram + trifloxystrobin) is a new fungicide for foliar plant pathogens such as leaf spots, powdery mildew, and rust. The IR-4 Project completed 24 crop safety trials on 14 environmental horticulture plant species or genera during 2020 and 2021. One species (*Antirrhinum majus*) did not exhibit injury after two consecutive drench applications. Significant injury was observed in one species (*Petunia x hybrida*) to recommend growers not apply Broadform SC.

Abstract from 2023 Flutianil Crop Safety Summary

Flutianil is a new fungicide being developed by OAT Agrio for the control of powdery mildew on environmental horticulture crops. The IR-4 Project completed 36 crop safety trials on 15 environmental horticulture plant species or genera during 2018 to 2021. Seven species (*Begonia* sp., *Coreopsis* sp., *Gerbera* sp., *Hydrangea* sp., *Rosa* sp., *Syringa* sp., *Viola x wittrockiana*) exhibited minimal or no injury in 3 trials and six species or genera exhibited minimal or no injury in the limited number of trials (one or two) for each crop. One species, *Saintpaulia ionantha*, showed no phytotoxicity on foliage but some phytotoxicity on open blooms. *Zinnia* in 2 trials exhibited no injury, but in a third trial injury was observed after the second application. Additional trials are warranted for both crops.

Abstract from 2019 Fluxapyroxad + Pyraclostrobin Crop Safety Summary

The IR-4 Project screens new active ingredients for potential deleterious impacts to aid growers in selection of appropriate disease management tools for their crops. From 2014 to 2018, IR-4 completed 78 trials on 34 environmental horticulture plant species examining phytotoxicity related to foliar applications of Orkestra (fluxapyroxad + pyraclostrobin). During 2016 and 2018, an additional 15 trials were conducted using drench application on 9 crops. In these trials, 17 species or genera exhibited minimal or no injury after foliar applications in a minimum of 3 trials for each crop. Thirteen of these are already on the current label for this active ingredient; the other four (*Aquilegia* sp, *Hemerocallis* sp., *Picea* sp. and *Pinus* sp.) can be added to a list of tolerant plants in the current label. Only two plant species (*Cornus florida* and *Impatiens hawkeri*) exhibited significant injury in one study. All trials for 13 other species or genera exhibited no or minimal injury in the limited number of trials (one or two) for each crop. Four of these are already in the current label; BASF can consider adding the other nine to the label. Drench application caused no significant phytotoxicity on all crops tested.

Abstract from 2021 Mandestrobin Crop Safety Summary

Mandestrobin is a new systemic and translaminar fungicide being developed by Valent for the control of Botrytis and other foliar diseases of environmental horticulture crops. The IR-4 Project completed 37 crop safety trials on 19 environmental horticulture plant species or genera during 2015 to 2021. Four crops exhibited no or minimal injury in at least 3 trials: *Antirrhinum majus*, *Begonia* sp., *Petunia* sp. and *Viola x wittrockiana*. There are 15 species or genera where less than 3 trials were conducted so there is not enough information available at this time. All trials for each of these crops showed no or minimal, transitory phytotoxicity.

Abstract from 2023 Mefentrifluconazole Crop Safety Summary

Avelyo (mefentrifluconazole) is a fungicide developed by BASF that has been registered for use since May 2020. It is used for the control of diseases such as anthracnose, powdery mildew, leaf spot, scab, rust, and blight of environmental horticulture crops. The IR-4 Project has completed 90 crop safety trials on 26 environmental horticulture plant species or genera during 2019 to 2022. This summary contains data across all reports available through IR-4 since 2019.

Twenty-six species or genera exhibited no or minimal injury after drench or foliar treatments of Mefentrifluconazole. Eighteen of the tested plants exhibited no injury across multiple trials, while the remaining eight plants showed the same with less than 3 trials. All twenty-six species or genera could be added to the label based on this data, provided that BASF has similar results.

Abstract from 2017 Metconazole Crop Safety Summary

Metconazole was registered as Tourney50WDG in the United States in 2007 as a turf fungicide. In 2010, uses for ornamental horticulture plants in greenhouse, nurseries, and landscapes were added. The commercial label contains a list of 49 woody ornamental plants exhibiting no or minimal injury. However, because metconazole is in the triazole class it could cause symptoms similar to plant growth regulators and additional testing is warranted on additional herbaceous and woody ornamental species. Between 2010 and 2016, the IR-4 Project completed 166 trials on 41 ornamental plant species examining phytotoxicity related to foliar applications of Tourney. In these trials, 22 species or genera exhibited minimal or no injury after foliar applications. Of these, 14 are already on the Tourney label; *Buxus* sp., *Calibrachoa* sp., *Chamaerops humilis*, *Hemerocallis* sp., *Hydrangea* sp., *Lantana* sp., *Liriope* sp. and *Verbena* sp. are the eight crops not yet listed. Based on this information, it is recommended that these be added to the list of tolerant plants on the Tourney 50WDG label. Four crops exhibited stunting: *begonia*, *impatiens*, *pansy* and *zinnia*.

Abstract from 2020 Mono Dipotassium Phosphorus Acid + Hydrogen Peroxide Crop Safety Summary

OxiPhos (Mono and di potassium salts of phosphorus acid + hydrogen peroxide) is labeled for managing oomycetes (downy mildew, Phytophthora and Pythium pathogens) and diseases caused by certain bacterial pathogens. While the label does list specific crops, additional screenings were needed to broaden this list. The IR-4 Project completed 23 crop safety trials on 11 environmental horticulture plant species or genera during 2016 to 2019. No injury was observed on azalea and rose; these two crops can be added to the list of crops previously tested for crop safety. For the remaining nine crops, more information is needed either because only 1 or 2 trials were conducted or because consistent results were not achieved across research sites.

Abstract from 2017 Oxathiapiprolin Crop Safety Summary

Oxathiapiprolin was registered as Segovis in the United States in 2017 for disease control on ornamental horticulture plants in greenhouse and nurseries. The commercial label contains a general list of 17 crop groups that cover virtually all ornamental crops. During 2015 and 2016, the IR-4 Project completed 19 trials on 18 ornamental plant species or genera examining phytotoxicity related to drench applications of Segovis. In these trials, all species or genera exhibited minimal or no injury after drench applications. These results confirm the crop safety for Segovis.

Abstract from 2023 Picarbutrazox Crop Safety Summary

Picarbutrazox is a novel fungicide with a new mode of action being developed by Nisso America for the control of oomycete diseases such as Bremia, Peronospora, Pseudoperonospora, Phytophthora, Pythium and Phytophthium. The IR-4 Project completed 85 crop safety trials on 16 environmental horticulture plant species or genera between 2018 and 2023. In these trials, 15 of 16 species or genera exhibited no or minimal injury. Twelve species or genera exhibited no injury in at least 3 trials. One genera, Rosa sp, exhibited moderate injury in one trial after two consecutive biweekly foliar applications of Picarbutrazox SC. The remaining three species or genera exhibited no or minimal injury in the limited number of trials (one or two) for each crop.

Abstract from 2018 Pseudomonas chlororaphis Crop Safety Summary

Pseudomonas chlororaphis (SP2300, Zio) is a new fungicide being developed by AgBiome and SePro for the control of several important diseases including Rhizoctonia, Pythium, and Phytophthora. The IR-4 Project completed 18 crop safety trials on 14 ornamental horticulture plant species or genera during 2017. In these trials, all 14 species or genera exhibited minimal or no injury in the limited number of trials (one or two) for each crop; AgBiome and SePro can consider adding these to the label.

Abstract from 2020 Pydiflumetofen Crop Safety Summary

Pydiflumetofen is a new fungicide being developed by Syngenta for the control of leaf spots (*Septoria*, *Cercospora*, *Alternaria*, *Venturia*), powdery mildew, *Fusarium*, *Botrytis*, *Sclerotinia*, *Corynespora*, and other foliar diseases. The IR-4 Project completed 61 crop safety trials on 22 ornamental horticulture plant species or genera during 2015 to 2019. In these trials, all 22 species or genera exhibited minimal or no injury. Ten genera exhibited minimal or no injury in 3 trials and 12 species or genera exhibited minimal or no injury in the limited number of trials (one or two) for each crop. Syngenta may consider adding these to the label.

Abstract from 2018 Pydiflumetofen + Azoxystrobin + Propiconazole Crop Safety Summary

Pydiflumetofen + Azoxystrobin + Propiconazole was a new fungicide being developed by Syngenta for the control of leaf spots (*Septoria*, *Cercospora*, *Alternaria*, *Venturia*), powdery mildew, *Fusarium*, *Botrytis*, *Sclerotinia*, *Corynespora*, and other foliar diseases. The IR-4 Project completed 39 crop safety trials on 18 ornamental horticulture plant species or genera from 2015 through 2017. In these trials, sufficient injury was observed such that future development of both formulations tested was discontinued.

Abstract from 2021 Pydiflumetofen & Difenoconazole Crop Safety Summary

Pydiflumetofen + Difenoconazole is a new fungicide being developed by Syngenta for the control of foliar diseases of ornamental horticulture crops. The IR-4 Project completed 20 crop safety trials on 26 ornamental horticulture plant species or genera during 2019 to 2020. In these trials, 10 species or genera exhibited minimal or no injury in the limited number of trials (two) for each crop. Syngenta may consider adding these to the label.

Abstract from 2021 Pydiflumetofen & Fludioxonil Crop Safety Summary

Pydiflumetofen + Fludioxonil is a new fungicide being developed for the control of foliar and soil-borne diseases of environmental (aka ornamental) horticulture crops. The IR-4 Project completed 54 crop safety trials on 26 environmental horticulture plant species or genera from 2015 to 2018. In these trials, 23 species or genera exhibited minimal or no injury. Five species or genera (*Antirrhinum majus*, *Begonia* sp., *Calibrachoa* sp., *Lupinus* sp. and *Petunia x hybrida*) exhibited minimal or no injury in 3 trials (Table 1) and 18 species or genera exhibited minimal or no injury in the limited number of trials (one or two) for each crop (Table 4). It is recommended these plant species be added to the label.

Abstract from 2023 SP2478 Crop Safety Summary

SP2478 is a new fungicide being developed by SePro for the control of diseases on environmental horticulture crops such as powdery mildew and other diseases. The IR-4 Project completed 21 crop safety trials on 9 environmental horticulture plant species or genera from 2020 through 2022. SP2478 was applied either as a foliar spray or as a drench into soilless media. In these trials, all eight species or genera treated with foliar sprays exhibited minimal or no injury in the limited number of trials (one or two) for each crop. When SP2478 was applied as a drench application in seven species or genera, all of these seven species or genera exhibited minimal or no injury in one or two trials for each crop. 18 species or genera exhibited minimal or no injury in the limited number of trials (one or two) for each crop (Table 4). It is recommended these plant species be added to the label.

Abstract from 2022 SP2700 Crop Safety Summary

SP2700 is a new fungicide being developed by SePro for the control of diseases on environmental horticulture crops such as *Alternaria*, *Cylindrocladium*, *Fusarium*, *Rhizoctonia*, and *Thielaviopsis*. The IR-4 Project completed 41 crop safety trials on 14 environmental horticulture plant species or genera from 2018 through 2021. SP2700 was applied either as a foliar spray or as a drench into soilless media. In these trials, six genera or species exhibited minimal or no injury after foliar applications in a minimum of three trials for each crop; these can be added to a list of tolerant plants in the new label for this active ingredient. The remaining eight other species or genera treated with foliar sprays exhibited minimal or no injury in the limited number of trials (one or two) for each crop.

When SP2700 was applied as a drench application, two plant species or genera exhibited moderate to severe negative impacts. The remaining six species or genera treated with drenches exhibited minimal or no injury in the limited number of trials (one or two) for each crop.

Abstract from 2015 Tebuconazole Crop Safety Summary

Tebuconazole was first registered in 1994 for peanut diseases. Since then its food use label has expanded to several other food crops. The first noncrop registration of Torque 3.6SC (tebuconazole) occurred in 2010 for ornamental horticulture growers, professional landscape managers and for golf course turf. Tebuconazole manages foliar ornamental horticulture diseases including powdery mildew and rusts. However, given that triazoles have a tendency to also exhibit impacts similar to growth regulators, the crop safety profile for Torque 3.6SC is not well known. From 2012 through 2014, the IR-4 Project completed 25 trials on 13 ornamental plant genera or species. In these trials, 8 species or genera exhibited minimal or no injury after foliar applications.

Torque caused stunting in Pansy and Zinnia at the higher application rates. In one trial, Narcissus exhibited moderate injury after the third application; additional trials are warranted to determine whether number of applications or the crop cultivar might be the contributing factor for injury. For the remaining 2 crops, not sufficient information has been generated.

Abstract from 2016 Triticonazole Crop Safety Summary

Triticonazole was registered as Trinity 2SC in the United States in 2007 as a turf fungicide. Since that time it has been under development to expand to ornamental horticulture diseases, and use on ornamental horticulture crops was added to the label in 2013. Because triticonazole is in the triazole class, it could cause symptoms similar to plant growth regulators and testing is warranted on additional herbaceous and woody ornamental species. Between 2010 and 2016, the IR-4 Project completed 180 trials on 44 ornamental plant species examining phytotoxicity related to foliar applications of Trinity 2SC. In these trials, 30 species or genera exhibited minimal or no injury after foliar applications. Of these, nine are not yet listed on the label: *Alyssum sp.*, *Buxus sp.*, *Cornus sp.*, *Dahlia sp.*, *Hedera helix*, *Ilex sp.*, *Lantana sp.*, *Osteospermum sp.*, and *Pseudotsuga menziesii*.

Target Species (Phytotoxicity, or common and Latin name of arthropod, pathogen, weed):

Crop Safety

Target Crops (list tested crops if ongoing or completed project)

See "IR-4 Crop Safety to Date" below

Target Product(s) (list tested products or numbered compounds if ongoing or completed project)

Avelyo (BAS 750 02F	Postiva
Broadform	Reklemel
F6123	S2200
Gatten	SP2478
IKF-309	SP2700WP
Indemnify	TDA NC1
Picarbutrazox 20WG	XDE-659
Picarbutrazox SC	

Product Registration and Research Status

	Registration Status
Labeled & Commercialized Wide range of ornamental horticulture crops listed	Avelyo Broadform Indemnify Postiva
Labeled & Commercialized Opportunity to add additional ornamental horticulture crops	
Labeled But NOT Commercialized Not yet registered or labeled	Picarbutrazox 20WG Picarbutrazox SC Reklemel S2200 SP2478 SP2700WP TDA NC1 XDE-659



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* IR-4 Data contributed to registration decision – either adding pest to label or not pursuing further research

Other:

Project Pros	Project Cons
1	1

IR-4 Crop Safety Trials to Date

Average rating on a scale of 1 – 5 with 1 = 0 to about no injury and 5 = severe injury and mortality; minimum to maximum rating; number of trials. A rating of 3 or higher is considered commercially unacceptable (*red text*). A rating of 1 or 2 is considered commercially acceptable and those with more than 3 trials are complete (*green text*). 'Labeled' indicates that IR-4 generated data in at least one trial and that this crop is listed on the label. For crop/product combinations that are blank, IR-4 has not screened this combination.

Table 1. Fungicide Product Crop Safety

Crop	A21416A (Pydiflumetofen + azoxystrobin + propiconazole)	A21416B (Pydiflumetofen + azoxystrobin + propiconazole)	Alibi Flora SC (Azoxystrobin + difenoconazole)	Avelyo Fungicide (Mefentrifluconazole)	BAS 640 00F (BAS 640 00F)
<i>Abies sp.</i>					
<i>Agapanthus sp.</i>					
<i>Aglaonema sp.</i>					
<i>Alyssum sp.</i>	2.0 (2 - 2) n1	4.0 (4 - 4) n1			
<i>Antirrhinum majus</i>	4.0 (4 - 4) n1				
<i>Antirrhinum sp.</i>		4.0 (4 - 4) n1			
<i>Aquilegia sp.</i>			1.0 (1 - 1) n3		
<i>Aster sp.</i>			1.0 (1 - 1) n2		
<i>Astilbe sp.</i>				1.0 (1 - 1) n3	
<i>Begonia semperflorens</i>					
<i>Begonia sp.</i>	4.0 (4 - 4) n2	4.0 (4 - 4) n1			
<i>Berberis sp.</i>					
<i>Bougainvillea sp.</i>					
<i>Buddleia alternifolia</i>					
<i>Buddleia davidii</i>			1.0 (1 - 1) n3		
<i>Buxus sempervirens</i>					
<i>Buxus sp.</i>					
<i>Calibrachoa sp.</i>	3.0 (3 - 3) n1	1.0 (1 - 1) n1	1.0 (1 - 1) n6		
<i>Callistemon citrinus</i>				1.0 (1 - 1) n2	
<i>Camellia japonica</i>				1.0 (1 - 1) n4	
<i>Camellia sp.</i>					
<i>Campanula sp.</i>				1.0 (1 - 1) n5	
<i>Catharanthus roseus</i>			1.0 (1 - 1) n1		
<i>Ceanothus sp.</i>			1.0 (1 - 1) n1		
<i>Celosia sp.</i>					
<i>Cercis canadensis</i>				1.0 (1 - 1) n2	
<i>Chamaerops humilis</i>	1.0 (1 - 1) n1		1.0 (1 - 1) n1		
<i>Chrysanthemum sp.</i>					
<i>Chrysanthemum/Dendranthema sp.</i>					
<i>Chrysanthemum/Dendranthema x morifolium</i>	1.0 (1 - 1) n1	1.0 (1 - 1) n1			
<i>Clematis sp.</i>				1.0 (1 - 1) n3	
<i>Coleus sp.</i>					
<i>Coreopsis sp.</i>	2.0 (2 - 2) n1	1.0 (1 - 1) n1		1.0 (1 - 1) n5	

Crop	A21416A (Pydiflumetofen + azoxystrobin + propiconazole)	A21416B (Pydiflumetofen + azoxystrobin + propiconazole)	Alibi Flora SC (Azoxystrobin + difenoconazole)	Avelyo Fungicide (Mefentrifluconazole)	BAS 640 00F (BAS 640 00F)
<i>Cornus sp.</i>					
<i>Cortaderia sp.</i>					
<i>Cuprocyparis leylandii</i>				1.0 (1 - 1) n3	
<i>Dahlia sp.</i>					
<i>Dahlia x hortensis</i>					
<i>Delphinium grandiflorum</i>				1.0 (1 - 1) n4	
<i>Dianthus gratianopolitanus</i>					
<i>Dianthus sp.</i>	3.0 (3 - 3) n1	3.0 (3 - 3) n1	1.0 (1 - 1) n4		
<i>Dieffenbachia sp.</i>					
<i>Dracaena sp.</i>					
<i>Epipremnum pinnatum</i>					
<i>Euonymus alatus</i>				1.0 (1 - 1) n7	1.0 (1 - 1) n1
<i>Euphorbia pulcherrima</i>		2.5 (1 - 4) n2			
<i>Forsythia sp.</i>					
<i>Fuschia sp.</i>					
<i>Gaillardia x grandiflora</i>				1.0 (1 - 1) n3	
<i>Gerbera jamesonii</i>					
<i>Gerbera sp.</i>	2.0 (2 - 2) n1	4.0 (4 - 4) n1			
<i>Hedera helix</i>					
<i>Helianthus maximiliani</i>				1.0 (1 - 1) n6	
<i>Helianthus sp.</i>					
<i>Hemerocallis sp.</i>					
<i>Heuchera sanguinea</i>			1.0 (1 - 1) n1		
<i>Heuchera sp.</i>					
<i>Hibiscus sp.</i>					
<i>Hosta sieboldiana</i>				1.0 (1 - 1) n4	
<i>Hosta sp.</i>					
<i>Hydrangea sp.</i>			1.0 (1 - 1) n2		
<i>Hypericum sp.</i>				1.0 (1 - 1) n3	
<i>Ilex sp.</i>					
<i>Impatiens hawkeri</i>	4.0 (4 - 4) n1	4.0 (4 - 4) n1			
<i>Impatiens walleriana</i>	3.0 (3 - 3) n1	3.0 (3 - 3) n1			
<i>Juniperus sp.</i>				1.0 (1 - 1) n4	
<i>Lagerstroemia indica</i>				1.0 (1 - 1) n3	
<i>Lamium sp.</i>			1.0 (1 - 1) n3		
<i>Lantana sp.</i>					

Crop	A21416A (Pydiflumetofen + azoxystrobin + propiconazole)	A21416B (Pydiflumetofen + azoxystrobin + propiconazole)	Alibi Flora SC (Azoxystrobin + difenoconazole)	Avelyo Fungicide (Mefentrifluconazole)	BAS 640 00F (BAS 640 00F)
<i>Lavandula sp.</i>			1.0 (1 - 1) n5		
<i>Leucanthemum maximum</i>					
<i>Leucanthemum x superbum</i>					
<i>Liatris spicata</i>				1.0 (1 - 1) n3	
<i>Lobularia maritima</i>					
<i>Loropetalum sp.</i>				1.0 (1 - 1) n1	
<i>Lupinus sp.</i>		3.0 (3 - 3) n1			
<i>Magnolia grandiflora</i>					
<i>Magnolia sp.</i>					
<i>Malus sp.</i>					
<i>Monarda didyma</i>			1.0 (1 - 1) n3	1.0 (1 - 1) n3	
<i>Nandina domestica</i>					
<i>Narcissus sp.</i>					
<i>Nephrolepis exaltata</i>					
<i>Osteospermum sp.</i>	2.0 (2 - 2) n1	2.0 (2 - 2) n1	1.0 (1 - 1) n4		
<i>Paeonia lactiflora</i>				1.0 (1 - 1) n4	
<i>Pelargonium sp.</i>					
<i>Pelargonium x domesticum</i>					
<i>Pelargonium x hortorum</i>	1.0 (1 - 1) n1	1.0 (1 - 1) n1			
<i>Pennisetum setaceum</i>					
<i>Petunia sp.</i>	2.0 (2 - 2) n1	2.0 (2 - 2) n1			
<i>Petunia x hybrida</i>					
<i>Phlox paniculata</i>			2.5 (1 - 4) n2	1.0 (1 - 1) n6	
<i>Phlox sp.</i>					
<i>Photinia sp.</i>					
<i>Picea sp.</i>					
<i>Pieris japonica</i>				1.0 (1 - 1) n2	
<i>Pinus sp.</i>					
<i>Potentilla sp.</i>					
<i>Pseudotsuga menziesii</i>					
<i>Quercus sp.</i>					
<i>Raphiolepis indica</i>					
<i>Rhododendron sp.</i>					1.0 (1 - 1) n1
<i>Rosa sp.</i>					1.0 (1 - 1) n1
<i>Rosmarinus officinalis</i>				1.0 (1 - 1) n4	
<i>Rudbeckia fulgida</i>					

Crop	A21416A (Pydiflumetofen + azoxystrobin + propiconazole)	A21416B (Pydiflumetofen + azoxystrobin + propiconazole)	Alibi Flora SC (Azoxystrobin + difenoconazole)	Avelyo Fungicide (Mefentrifluconazole)	BAS 640 00F (BAS 640 00F)
<i>Rudbeckia fulgida var. speciosa</i>					
<i>Rudbeckia hirta</i>					
<i>Saintpaulia ionantha</i>					
<i>Salvia nemorosa</i>					
<i>Salvia officinalis</i>					
<i>Salvia sp.</i>	1.0 (1 - 1) n1	1.5 (1 - 2) n2			
<i>Salvia splendens</i>					
<i>Salvia x sylvestris</i>					
<i>Solenostemon sp.</i>					
<i>Solidago speciosa</i>				1.0 (1 - 1) n4	
<i>Spathiphyllum sp.</i>					
<i>Spiraea japonica</i>					
<i>Spiraea nipponica</i>					
<i>Spiraea sp.</i>					
<i>Syringa sp.</i>					
<i>Syringa vulgaris</i>				1.0 (1 - 1) n4	
<i>Tagetes erecta</i>					
<i>Tagetes patula</i>					
<i>Tagetes sp.</i>					
<i>Thuja occidentalis</i>					
<i>Trachelospermum jasminoides</i>					
<i>Tulipa sp.</i>					
<i>Ulmus sp.</i>					
<i>Verbena sp.</i>	1.0 (1 - 1) n1	3.5 (3 - 4) n2		1.0 (1 - 1) n9	
<i>Viburnum davidii</i>				1.0 (1 - 1) n5	
<i>Viburnum sp.</i>					
<i>Vinca minor</i>					
<i>Vinca sp.</i>					
<i>Viola sp.</i>		4.0 (4 - 4) n1			
<i>Viola X wittrockiana</i>	1.0 (1 - 1) n1	2.0 (2 - 2) n1			
<i>Zinnia elegans</i>					
<i>Zinnia sp.</i>			1.0 (1 - 1) n1		

Table 2. Fungicide Product Crop Safety

Crop	Broadform SC500 (Fluopyram + Trifloxystrobin)	Concert II (Propiconazole + chlorothalonil)	F6123 (F6123)	Gatten (Flutianil)	Heritage (Azoxystrobin)
<i>Abies sp.</i>					
<i>Agapanthus sp.</i>	1.0 (1 - 1) n1				
<i>Aglaonema sp.</i>					
<i>Alyssum sp.</i>					
<i>Antirrhinum majus</i>	1.0 (1 - 1) n3		2.0 (1 - 4) n4		
<i>Antirrhinum sp.</i>					
<i>Aquilegia sp.</i>					
<i>Aster sp.</i>					
<i>Astilbe sp.</i>					
<i>Begonia semperflorens</i>			2.8 (2 - 4) n4		
<i>Begonia sp.</i>				1.0 (1 - 1) n3	
<i>Berberis sp.</i>					
<i>Bougainvillea sp.</i>					
<i>Buddleia alternifolia</i>					
<i>Buddleia davidii</i>					
<i>Buxus sempervirens</i>					
<i>Buxus sp.</i>		1.0 (1 - 1) n6			1.0 (1 - 1) n6
<i>Calibrachoa sp.</i>	1.0 (1 - 1) n1			1.0 (1 - 1) n2	
<i>Callistemon citrinus</i>					
<i>Camellia japonica</i>					
<i>Camellia sp.</i>					
<i>Campanula sp.</i>					
<i>Catharanthus roseus</i>					
<i>Ceanothus sp.</i>					
<i>Celosia sp.</i>					
<i>Cercis canadensis</i>			1.0 (1 - 1) n2		
<i>Chamaerops humilis</i>					
<i>Chrysanthemum sp.</i>				1.0 (1 - 1) n2	
<i>Chrysanthemum/Dendranthema sp.</i>					
<i>Chrysanthemum/Dendranthema x morifolium</i>	1.0 (1 - 1) n1				
<i>Clematis sp.</i>					
<i>Coleus sp.</i>					
<i>Coreopsis sp.</i>			1.4 (1 - 3) n5	1.0 (1 - 1) n3	

Crop	Broadform SC500 (Fluopyram + Trifloxystrobin)	Concert II (Propiconazole + chlorothalonil)	F6123 (F6123)	Gatten (Flutianil)	Heritage (Azoxystrobin)
<i>Cornus sp.</i>					
<i>Cortaderia sp.</i>					
<i>Cuprocyparis leylandii</i>					
<i>Dahlia sp.</i>				1.0 (1 - 1) n2	
<i>Dahlia x hortensis</i>			1.5 (1 - 2) n2		
<i>Delphinium grandiflorum</i>			1.0 (1 - 1) n3		
<i>Dianthus gratianopolitanus</i>					
<i>Dianthus sp.</i>					
<i>Dieffenbachia sp.</i>	1.0 (1 - 1) n1				
<i>Dracaena sp.</i>	1.0 (1 - 1) n1				
<i>Epipremnum pinnatum</i>					
<i>Euonymus alatus</i>					
<i>Euphorbia pulcherrima</i>					
<i>Forsythia sp.</i>					
<i>Fuschia sp.</i>					
<i>Gaillardia x grandiflora</i>					
<i>Gerbera jamesonii</i>			3.0 (3 - 3) n1		
<i>Gerbera sp.</i>				1.0 (1 - 1) n3	
<i>Hedera helix</i>					
<i>Helianthus maximiliani</i>					
<i>Helianthus sp.</i>					
<i>Hemerocallis sp.</i>					
<i>Heuchera sanguinea</i>					
<i>Heuchera sp.</i>					
<i>Hibiscus sp.</i>					
<i>Hosta sieboldiana</i>					
<i>Hosta sp.</i>	1.0 (1 - 1) n2				
<i>Hydrangea sp.</i>				1.0 (1 - 1) n3	
<i>Hypericum sp.</i>					
<i>Ilex sp.</i>					
<i>Impatiens hawkeri</i>	2.0 (1 - 3) n2				
<i>Impatiens walleriana</i>	3.7 (1 - 5) n3				
<i>Juniperus sp.</i>					
<i>Lagerstroemia indica</i>					
<i>Lamium sp.</i>					
<i>Lantana sp.</i>	1.0 (1 - 1) n1				

Crop	Broadform SC500 (Fluopyram + Trifloxystrobin)	Concert II (Propiconazole + chlorothalonil)	F6123 (F6123)	Gatten (Flutianil)	Heritage (Azoxystrobin)
<i>Lavandula sp.</i>					
<i>Leucanthemum maximum</i>					
<i>Leucanthemum x superbum</i>					
<i>Liatris spicata</i>					
<i>Lobularia maritima</i>					
<i>Loropetalum sp.</i>					
<i>Lupinus sp.</i>					
<i>Magnolia grandiflora</i>			1.0 (1 - 1) n4		
<i>Magnolia sp.</i>					
<i>Malus sp.</i>					
<i>Monarda didyma</i>					
<i>Nandina domestica</i>					
<i>Narcissus sp.</i>					
<i>Nephrolepis exaltata</i>					
<i>Osteospermum sp.</i>					
<i>Paeonia lactiflora</i>					
<i>Pelargonium sp.</i>					
<i>Pelargonium x domesticum</i>					
<i>Pelargonium x hortorum</i>			2.7 (1 - 4) n3		
<i>Pennisetum setaceum</i>					
<i>Petunia sp.</i>					
<i>Petunia x hybrida</i>	2.7 (1 - 4) n3		2.0 (1 - 3) n5		
<i>Phlox paniculata</i>					
<i>Phlox sp.</i>			1.6 (1 - 5) n7		
<i>Photinia sp.</i>					
<i>Picea sp.</i>					
<i>Pieris japonica</i>					
<i>Pinus sp.</i>					
<i>Potentilla sp.</i>					
<i>Pseudotsuga menziesii</i>					
<i>Quercus sp.</i>					
<i>Rhaphiolepis indica</i>					
<i>Rhododendron sp.</i>					
<i>Rosa sp.</i>			1.0 (1 - 1) n1	1.3 (1 - 2) n3	
<i>Rosmarinus officinalis</i>					
<i>Rudbeckia fulgida</i>	1.0 (1 - 1) n2				

Crop	Broadform SC500 (Fluopyram + Trifloxystrobin)	Concert II (Propiconazole + chlorothalonil)	F6123 (F6123)	Gatten (Flutianil)	Heritage (Azoxyastrobin)
<i>Rudbeckia fulgida var. speciosa</i>			1.3 (1 - 3) n6		
<i>Rudbeckia hirta</i>					
<i>Saintpaulia ionantha</i>				2.0 (1 - 3) n2	
<i>Salvia nemorosa</i>					
<i>Salvia officinalis</i>					
<i>Salvia sp.</i>					
<i>Salvia splendens</i>	1.0 (1 - 1) n1				
<i>Salvia x sylvestris</i>					
<i>Solenostemon sp.</i>					
<i>Solidago speciosa</i>					
<i>Spathiphyllum sp.</i>	1.0 (1 - 1) n1				
<i>Spiraea japonica</i>					
<i>Spiraea nipponica</i>				1.0 (1 - 1) n2	
<i>Spiraea sp.</i>					
<i>Syringa sp.</i>				1.0 (1 - 1) n3	
<i>Syringa vulgaris</i>					
<i>Tagetes erecta</i>			2.3 (1 - 5) n3		
<i>Tagetes patula</i>			1.8 (1 - 4) n4		
<i>Tagetes sp.</i>					
<i>Thuja occidentalis</i>					
<i>Trachelospermum jasminoides</i>					
<i>Tulipa sp.</i>					
<i>Ulmus sp.</i>					
<i>Verbena sp.</i>				1.0 (1 - 1) n1	
<i>Viburnum davidii</i>					
<i>Viburnum sp.</i>					
<i>Vinca minor</i>					
<i>Vinca sp.</i>				1.0 (1 - 1) n1	
<i>Viola sp.</i>					
<i>Viola X wittrockiana</i>	1.0 (1 - 1) n2		2.4 (1 - 4) n5	1.0 (1 - 1) n3	
<i>Zinnia elegans</i>			1.6 (1 - 3) n5		
<i>Zinnia sp.</i>				1.7 (1 - 3) n3	

Table 3. Fungicide Product Crop Safety

Crop	IKF-309 (Pyriofenone)	Inosco (Potassium phosphite)	Insimmo (Acibenzolar-S-methyl)	Medallion (Fludioxonil)	Mural WDG (Azoxystrobin + benzovindiflupyr)	NF-149 (Cyflufenamid)
<i>Abies sp.</i>					1.0 (1 - 1) n3	
<i>Agapanthus sp.</i>						
<i>Aglaonema sp.</i>			1.0 (1 - 1) n1		1.0 (1 - 1) n3	
<i>Alyssum sp.</i>						
<i>Antirrhinum majus</i>						1.0 (1 - 1) n4
<i>Antirrhinum sp.</i>						
<i>Aquilegia sp.</i>					1.0 (1 - 1) n4	
<i>Aster sp.</i>			1.0 (1 - 1) n2		1.0 (1 - 1) n3	
<i>Astilbe sp.</i>						
<i>Begonia semperflorens</i>						
<i>Begonia sp.</i>	1.3 (1 - 2) n3					
<i>Berberis sp.</i>			1.0 (1 - 1) n2		1.0 (1 - 1) n3	
<i>Bougainvillea sp.</i>			1.0 (1 - 1) n2			
<i>Buddleia alternifolia</i>						
<i>Buddleia davidii</i>					1.0 (1 - 1) n4	
<i>Buxus sempervirens</i>						
<i>Buxus sp.</i>				1.0 (1 - 1) n6	1.0 (1 - 1) n3	
<i>Calibrachoa sp.</i>	1.0 (1 - 1) n1		1.0 (1 - 1) n2		1.2 (1 - 2) n6	1.0 (1 - 1) n3
<i>Callistemon citrinus</i>						
<i>Camellia japonica</i>						
<i>Camellia sp.</i>			1.0 (1 - 1) n1		1.0 (1 - 1) n4	
<i>Campanula sp.</i>						
<i>Catharanthus roseus</i>		1.3 (1 - 2) n3				
<i>Ceanothus sp.</i>					1.0 (1 - 1) n2	
<i>Celosia sp.</i>	1.0 (1 - 1) n1					
<i>Cercis canadensis</i>						
<i>Chamaerops humilis</i>					1.0 (1 - 1) n1	1.0 (1 - 1) n1
<i>Chrysanthemum sp.</i>						
<i>Chrysanthemum/Dendranthema sp.</i>						1.0 (1 - 1) n3
<i>Chrysanthemum/Dendranthema x morifolium</i>						
<i>Clematis sp.</i>						
<i>Coleus sp.</i>						
<i>Coreopsis sp.</i>						

Crop	IKF-309 (Pyriofenone)	Inosco (Potassium phosphite)	Insimmo (Acibenzolar-S-methyl)	Medallion (Fludioxonil)	Mural WDG (Azoxystrobin + benzovindiflupyr)	NF-149 (Cyflufenamid)
<i>Cornus sp.</i>						
<i>Cortaderia sp.</i>						
<i>Cuprocyparis leylandii</i>						
<i>Dahlia sp.</i>						
<i>Dahlia x hortensis</i>						
<i>Delphinium grandiflorum</i>						
<i>Dianthus gratianopolitanus</i>	1.0 (1 - 1) n2					
<i>Dianthus sp.</i>					1.0 (1 - 1) n4	
<i>Dieffenbachia sp.</i>						
<i>Dracaena sp.</i>						
<i>Epipremnum pinnatum</i>			1.0 (1 - 1) n2		1.0 (1 - 1) n3	
<i>Euonymus alatus</i>						
<i>Euphorbia pulcherrima</i>	1.0 (1 - 1) n1	1.0 (1 - 1) n1				
<i>Forsythia sp.</i>						
<i>Fuschia sp.</i>						
<i>Gaillardia x grandiflora</i>						
<i>Gerbera jamesonii</i>						
<i>Gerbera sp.</i>						
<i>Hedera helix</i>						
<i>Helianthus maximiliani</i>						
<i>Helianthus sp.</i>			1.0 (1 - 1) n2		1.0 (1 - 1) n4	
<i>Hemerocallis sp.</i>						
<i>Heuchera sanguinea</i>						
<i>Heuchera sp.</i>					1.0 (1 - 1) n4	
<i>Hibiscus sp.</i>			1.0 (1 - 1) n3		1.0 (1 - 1) n3	
<i>Hosta sieboldiana</i>						
<i>Hosta sp.</i>						
<i>Hydrangea sp.</i>					1.5 (1 - 3) n4	1.0 (1 - 1) n3
<i>Hypericum sp.</i>						
<i>Ilex sp.</i>						
<i>Impatiens hawkeri</i>	1.0 (1 - 1) n2					
<i>Impatiens walleriana</i>	1.0 (1 - 1) n2					
<i>Juniperus sp.</i>			1.0 (1 - 1) n1		1.0 (1 - 1) n4	
<i>Lagerstroemia indica</i>						
<i>Lamium sp.</i>					1.0 (1 - 1) n3	
<i>Lantana sp.</i>						
<i>Lavandula sp.</i>					1.0 (1 - 1) n5	

Crop	IKF-309 (Pyriofenone)	Inosco (Potassium phosphite)	Insimmo (Acibenzolar-S-methyl)	Medallion (Fludioxonil)	Mural WDG (Azoxystrobin + benzovindiflupyr)	NF-149 (Cyflufenamid)
<i>Leucanthemum maximum</i>						
<i>Leucanthemum x superbum</i>						
<i>Liatris spicata</i>						
<i>Lobularia maritima</i>						
<i>Loropetalum sp.</i>						
<i>Lupinus sp.</i>						
<i>Magnolia grandiflora</i>						
<i>Magnolia sp.</i>						
<i>Malus sp.</i>						
<i>Monarda didyma</i>					1.0 (1 - 1) n3	
<i>Nandina domestica</i>						
<i>Narcissus sp.</i>			5.0 (5 - 5) n1			2.0 (2 - 2) n1
<i>Nephrolepis exaltata</i>						
<i>Osteospermum sp.</i>			1.0 (1 - 1) n4		1.0 (1 - 1) n4	1.0 (1 - 1) n2
<i>Paeonia lactiflora</i>						
<i>Pelargonium sp.</i>						1.0 (1 - 1) n4
<i>Pelargonium x domesticum</i>						
<i>Pelargonium x hortorum</i>	1.3 (1 - 2) n4					
<i>Pennisetum setaceum</i>						
<i>Petunia sp.</i>						1.0 (1 - 1) n6
<i>Petunia x hybrida</i>	1.5 (1 - 2) n2					
<i>Phlox paniculata</i>					1.0 (1 - 1) n3	
<i>Phlox sp.</i>						
<i>Photinia sp.</i>						
<i>Picea sp.</i>						
<i>Pieris japonica</i>						
<i>Pinus sp.</i>						
<i>Potentilla sp.</i>						
<i>Pseudotsuga menziesii</i>			1.0 (1 - 1) n1		1.0 (1 - 1) n1	1.0 (1 - 1) n1
<i>Quercus sp.</i>						
<i>Rhaphiolepis indica</i>			1.0 (1 - 1) n1		1.0 (1 - 1) n3	
<i>Rhododendron sp.</i>						1.0 (1 - 1) n6
<i>Rosa sp.</i>	1.0 (1 - 1) n1					1.0 (1 - 1) n5
<i>Rosmarinus officinalis</i>						
<i>Rudbeckia fulgida</i>						
<i>Rudbeckia fulgida var. speciosa</i>						
<i>Rudbeckia hirta</i>						

Crop	IKF-309 (Pyriofenone)	Inosco (Potassium phosphite)	Insimmo (Acibenzolar-S-methyl)	Medallion (Fludioxonil)	Mural WDG (Azoxystrobin + benzovindiflupyr)	NF-149 (Cyflufenamid)
<i>Saintpaulia ionantha</i>						
<i>Salvia nemorosa</i>	1.0 (1 - 1) n3					
<i>Salvia officinalis</i>			1.0 (1 - 1) n1		1.0 (1 - 1) n2	
<i>Salvia sp.</i>					1.0 (1 - 1) n3	
<i>Salvia splendens</i>						
<i>Salvia x sylvestris</i>						
<i>Solenostemon sp.</i>	1.0 (1 - 1) n1					
<i>Solidago speciosa</i>						
<i>Spathiphyllum sp.</i>						
<i>Spiraea japonica</i>						
<i>Spiraea nipponica</i>						
<i>Spiraea sp.</i>						
<i>Syringa sp.</i>						
<i>Syringa vulgaris</i>						
<i>Tagetes erecta</i>	1.0 (1 - 1) n2					
<i>Tagetes patula</i>	1.0 (1 - 1) n2					
<i>Tagetes sp.</i>						
<i>Thuja occidentalis</i>						
<i>Trachelospermum jasminoides</i>						
<i>Tulipa sp.</i>						1.0 (1 - 1) n1
<i>Ulmus sp.</i>						
<i>Verbena sp.</i>						
<i>Viburnum davidii</i>						
<i>Viburnum sp.</i>						
<i>Vinca minor</i>						
<i>Vinca sp.</i>						
<i>Viola sp.</i>						
<i>Viola X wittrockiana</i>	1.5 (1 - 2) n2					
<i>Zinnia elegans</i>						
<i>Zinnia sp.</i>						1.0 (1 - 1) n1

Table 4. Fungicide Product Crop Safety

Crop	Orkestra Intrinsic (Fluxapyroxad + pyraclostrobin)	Orvego (BAS 651F) (Ametoctradin + dimethomorph (BAS	OxiPhos (Mono and di potassium salts of phosphorus a	Picarbutrazox 20WG (Picarbutrazox)	Picarbutrazox SC (NF-171) (Picarbutrazox)
<i>Abies sp.</i>					
<i>Agapanthus sp.</i>					
<i>Aglaonema sp.</i>					
<i>Alyssum sp.</i>					
<i>Antirrhinum majus</i>		1.0 (1 - 1) n2	1.0 (1 - 1) n1	1.0 (1 - 1) n2	1.0 (1 - 1) n2
<i>Antirrhinum sp.</i>					
<i>Aquilegia sp.</i>	1.5 (1 - 3) n4				
<i>Aster sp.</i>				1.0 (1 - 1) n2	1.0 (1 - 1) n1
<i>Astilbe sp.</i>					
<i>Begonia semperflorens</i>					
<i>Begonia sp.</i>					
<i>Berberis sp.</i>					
<i>Bougainvillea sp.</i>					
<i>Buddleia alternifolia</i>					
<i>Buddleia davidii</i>					
<i>Buxus sempervirens</i>					
<i>Buxus sp.</i>					
<i>Calibrachoa sp.</i>		1.0 (1 - 1) n2			
<i>Callistemon citrinus</i>					
<i>Camellia japonica</i>					
<i>Camellia sp.</i>					
<i>Campanula sp.</i>					
<i>Catharanthus roseus</i>	1.0 (1 - 1) n3				
<i>Ceanothus sp.</i>					
<i>Celosia sp.</i>					
<i>Cercis canadensis</i>					
<i>Chamaerops humilis</i>	1.0 (1 - 1) n1		1.0 (1 - 1) n1		
<i>Chrysanthemum sp.</i>					
<i>Chrysanthemum/Dendranthema sp.</i>					
<i>Chrysanthemum/Dendranthema x morifolium</i>					
<i>Clematis sp.</i>					
<i>Coleus sp.</i>			1.0 (1 - 1) n1	1.0 (1 - 1) n2	1.0 (1 - 1) n3
<i>Coreopsis sp.</i>	1.0 (1 - 1) n2				

Crop	Orkestra Intrinsic (Fluxapyroxad + pyraclostrobin)	Orvego (BAS 651F) (Ametoctradin + dimethomorph (BAS	OxiPhos (Mono and di potassium salts of phosphorus a	Picarbutrazox 20WG (Picarbutrazox)	Picarbutrazox SC (NF-171) (Picarbutrazox)
<i>Cornus sp.</i>	1.6 (1 - 4) n5				
<i>Cortaderia sp.</i>					
<i>Cuprocyparis leylandii</i>					
<i>Dahlia sp.</i>					
<i>Dahlia x hortensis</i>					
<i>Delphinium grandiflorum</i>					
<i>Dianthus gratianopolitanus</i>					
<i>Dianthus sp.</i>	1.0 (1 - 1) n4				
<i>Dieffenbachia sp.</i>					
<i>Dracaena sp.</i>					
<i>Epipremnum pinnatum</i>					
<i>Euonymus alatus</i>					
<i>Euphorbia pulcherrima</i>			2.3 (1 - 4) n3		
<i>Forsythia sp.</i>					
<i>Fuschia sp.</i>					
<i>Gaillardia x grandiflora</i>					
<i>Gerbera jamesonii</i>					
<i>Gerbera sp.</i>	1.0 (1 - 1) n4		1.3 (1 - 2) n3		
<i>Hedera helix</i>					
<i>Helianthus maximiliani</i>					
<i>Helianthus sp.</i>					
<i>Hemerocallis sp.</i>	1.7 (1 - 3) n3				
<i>Heuchera sanguinea</i>					
<i>Heuchera sp.</i>					
<i>Hibiscus sp.</i>					
<i>Hosta sieboldiana</i>					
<i>Hosta sp.</i>					
<i>Hydrangea sp.</i>	1.8 (1 - 3) n4				
<i>Hypericum sp.</i>					
<i>Ilex sp.</i>					
<i>Impatiens hawkeri</i>	3.0 (1 - 4) n3		1.0 (1 - 1) n1	1.2 (1 - 2) n5	1.5 (1 - 2) n2
<i>Impatiens walleriana</i>	2.0 (2 - 2) n1			1.0 (1 - 1) n4	1.0 (1 - 1) n1
<i>Juniperus sp.</i>					
<i>Lagerstroemia indica</i>					
<i>Lamium sp.</i>					
<i>Lantana sp.</i>	1.0 (1 - 1) n3	1.0 (1 - 1) n1			

Crop	Orkestra Intrinsic (Fluxapyroxad + pyraclostrobin)	Orvego (BAS 651F) (Ametoctradin + dimethomorph (BAS	OxiPhos (Mono and di potassium salts of phosphorus a	Picarbutrazox 20WG (Picarbutrazox)	Picarbutrazox SC (NF-171) (Picarbutrazox)
<i>Lavandula sp.</i>					
<i>Leucanthemum maximum</i>	1.0 (1 - 1) n4				
<i>Leucanthemum x superbum</i>	2.3 (1 - 3) n3				
<i>Liatris spicata</i>					
<i>Lobularia maritima</i>					
<i>Loropetalum sp.</i>					
<i>Lupinus sp.</i>	1.0 (1 - 1) n3				
<i>Magnolia grandiflora</i>					
<i>Magnolia sp.</i>	1.0 (1 - 1) n1				
<i>Malus sp.</i>	1.0 (1 - 1) n2				
<i>Monarda didyma</i>					
<i>Nandina domestica</i>					
<i>Narcissus sp.</i>					
<i>Nephrolepis exaltata</i>					
<i>Osteospermum sp.</i>	1.0 (1 - 1) n4	1.0 (1 - 1) n5			
<i>Paeonia lactiflora</i>					
<i>Pelargonium sp.</i>		1.0 (1 - 1) n1			
<i>Pelargonium x domesticum</i>			1.0 (1 - 1) n1	1.0 (1 - 1) n1	1.0 (1 - 1) n1
<i>Pelargonium x hortorum</i>	1.5 (1 - 2) n4			1.0 (1 - 1) n2	1.3 (1 - 2) n3
<i>Pennisetum setaceum</i>					
<i>Petunia sp.</i>		1.0 (1 - 1) n2	2.0 (1 - 3) n3		
<i>Petunia x hybrida</i>					
<i>Phlox paniculata</i>					
<i>Phlox sp.</i>					
<i>Photinia sp.</i>					
<i>Picea sp.</i>	1.0 (1 - 1) n4				
<i>Pieris japonica</i>					
<i>Pinus sp.</i>	1.0 (1 - 1) n3				
<i>Potentilla sp.</i>				1.0 (1 - 1) n3	1.0 (1 - 1) n3
<i>Pseudotsuga menziesii</i>	1.0 (1 - 1) n4				
<i>Quercus sp.</i>	1.0 (1 - 1) n1				
<i>Raphiolepis indica</i>					
<i>Rhododendron sp.</i>			1.0 (1 - 1) n4		
<i>Rosa sp.</i>	1.0 (1 - 1) n5		2.0 (1 - 3) n3	1.0 (1 - 1) n2	1.7 (1 - 3) n3
<i>Rosmarinus officinalis</i>					
<i>Rudbeckia fulgida</i>					

Crop	Orkestra Intrinsic (Fluxapyroxad + pyraclostrobin)	Orvego (BAS 651F) (Ametoctradin + dimethomorph (BAS	OxiPhos (Mono and di potassium salts of phosphorus a	Picarbutrazox 20WG (Picarbutrazox)	Picarbutrazox SC (NF-171) (Picarbutrazox)
<i>Rudbeckia fulgida var. speciosa</i>					
<i>Rudbeckia hirta</i>				1.3 (1 - 2) n3	1.0 (1 - 1) n3
<i>Saintpaulia ionantha</i>					
<i>Salvia nemorosa</i>				1.0 (1 - 1) n3	1.0 (1 - 1) n3
<i>Salvia officinalis</i>					
<i>Salvia sp.</i>	1.3 (1 - 2) n4				
<i>Salvia splendens</i>				1.0 (1 - 1) n3	1.0 (1 - 1) n3
<i>Salvia x sylvestris</i>					
<i>Solenostemon sp.</i>					
<i>Solidago speciosa</i>					
<i>Spathiphyllum sp.</i>					
<i>Spiraea japonica</i>					
<i>Spiraea nipponica</i>					
<i>Spiraea sp.</i>					
<i>Syringa sp.</i>					
<i>Syringa vulgaris</i>					
<i>Tagetes erecta</i>					
<i>Tagetes patula</i>					
<i>Tagetes sp.</i>					
<i>Thuja occidentalis</i>					
<i>Trachelospermum jasminoides</i>					
<i>Tulipa sp.</i>					
<i>Ulmus sp.</i>	1.3 (1 - 2) n3				
<i>Verbena sp.</i>	2.0 (1 - 5) n4				
<i>Viburnum davidii</i>					
<i>Viburnum sp.</i>				1.0 (1 - 1) n3	1.0 (1 - 1) n2
<i>Vinca minor</i>					
<i>Vinca sp.</i>	1.0 (1 - 1) n4				
<i>Viola sp.</i>	1.0 (1 - 1) n1				
<i>Viola X wittrockiana</i>	1.3 (1 - 2) n4		1.5 (1 - 2) n2	1.0 (1 - 1) n2	1.0 (1 - 1) n2
<i>Zinnia elegans</i>					
<i>Zinnia sp.</i>	1.0 (1 - 1) n9				

Table 5. Fungicide Product Crop Safety

Crop	Picatina (Pydiflumetofen)	Picatina Flora (Pydiflumetofen + fludioxonil)	Postiva (pydiflumetofen + difenoconazole)	RD00AS-1 (BW159) (BW159)	S2200 4SC (Mandestrobin)
<i>Abies sp.</i>					
<i>Agapanthus sp.</i>					
<i>Aglaonema sp.</i>					
<i>Alyssum sp.</i>	1.0 (1 - 1) n2	1.0 (1 - 1) n1			1.0 (1 - 1) n4
<i>Antirrhinum majus</i>	1.0 (1 - 1) n4	1.7 (1 - 3) n3			1.0 (1 - 1) n3
<i>Antirrhinum sp.</i>					
<i>Aquilegia sp.</i>					
<i>Aster sp.</i>					
<i>Astilbe sp.</i>					
<i>Begonia semperflorens</i>			1.5 (1 - 3) n4		
<i>Begonia sp.</i>	1.4 (1 - 3) n5	1.5 (1 - 3) n4			1.4 (1 - 3) n5
<i>Berberis sp.</i>					
<i>Bougainvillea sp.</i>					
<i>Buddleia alternifolia</i>					
<i>Buddleia davidii</i>					
<i>Buxus sempervirens</i>					
<i>Buxus sp.</i>					
<i>Calibrachoa sp.</i>	1.0 (1 - 1) n4	1.0 (1 - 1) n3	1.0 (1 - 1) n3		1.0 (1 - 1) n5
<i>Callistemon citrinus</i>					
<i>Camellia japonica</i>					
<i>Camellia sp.</i>					
<i>Campanula sp.</i>					
<i>Catharanthus roseus</i>					
<i>Ceanothus sp.</i>					
<i>Celosia sp.</i>			1.3 (1 - 2) n3		
<i>Cercis canadensis</i>					
<i>Chamaerops humilis</i>	1.0 (1 - 1) n1	1.0 (1 - 1) n1			1.0 (1 - 1) n1
<i>Chrysanthemum sp.</i>					
<i>Chrysanthemum/Dendranthema sp.</i>			1.0 (1 - 1) n3		
<i>Chrysanthemum/Dendranthema x morifolium</i>	1.0 (1 - 1) n3	1.0 (1 - 1) n1			1.0 (1 - 1) n1
<i>Clematis sp.</i>					
<i>Coleus sp.</i>					
<i>Coreopsis sp.</i>	1.0 (1 - 1) n3	1.0 (1 - 1) n1			1.0 (1 - 1) n2

Crop	Picatina (Pydiflumetofen)	Picatina Flora (Pydiflumetofen + fludioxonil)	Postiva (pydiflumetofen + difenconazole)	RD00AS-1 (BW159) (BW159)	S2200 4SC (Mandestrobin)
<i>Cornus sp.</i>					
<i>Cortaderia sp.</i>					
<i>Cuprocyparis leylandii</i>					
<i>Dahlia sp.</i>					
<i>Dahlia x hortensis</i>					
<i>Delphinium grandiflorum</i>					
<i>Dianthus gratianopolitanus</i>					
<i>Dianthus sp.</i>	1.0 (1 - 1) n4	1.6 (1 - 4) n5			1.0 (1 - 1) n4
<i>Dieffenbachia sp.</i>					
<i>Dracaena sp.</i>					
<i>Epipremnum pinnatum</i>					
<i>Euonymus alatus</i>					
<i>Euphorbia pulcherrima</i>	1.0 (1 - 1) n3	2.0 (1 - 4) n3		1.0 (1 - 1) n2	1.5 (1 - 2) n2
<i>Forsythia sp.</i>					
<i>Fuschia sp.</i>					
<i>Gaillardia x grandiflora</i>					
<i>Gerbera jamesonii</i>					
<i>Gerbera sp.</i>	1.0 (1 - 1) n4	1.3 (1 - 2) n4			1.0 (1 - 1) n2
<i>Hedera helix</i>					
<i>Helianthus maximiliani</i>					
<i>Helianthus sp.</i>					
<i>Hemerocallis sp.</i>					
<i>Heuchera sanguinea</i>					
<i>Heuchera sp.</i>					
<i>Hibiscus sp.</i>					
<i>Hosta sieboldiana</i>					
<i>Hosta sp.</i>					
<i>Hydrangea sp.</i>			1.0 (1 - 1) n4		
<i>Hypericum sp.</i>					
<i>Ilex sp.</i>					
<i>Impatiens hawkeri</i>	3.0 (2 - 4) n2	3.0 (3 - 3) n1	2.2 (1 - 4) n5		1.0 (1 - 1) n2
<i>Impatiens walleriana</i>	1.6 (1 - 3) n5	2.0 (2 - 2) n1	1.7 (1 - 3) n3		
<i>Juniperus sp.</i>					
<i>Lagerstroemia indica</i>					
<i>Lamium sp.</i>					
<i>Lantana sp.</i>					

Crop	Picatina (Pydiflumetofen)	Picatina Flora (Pydiflumetofen + fludioxonil)	Postiva (pydiflumetofen + difenconazole)	RD00AS-1 (BW159) (BW159)	S2200 4SC (Mandestrobin)
<i>Lavandula sp.</i>					
<i>Leucanthemum maximum</i>					
<i>Leucanthemum x superbum</i>					
<i>Liatris spicata</i>					
<i>Lobularia maritima</i>					
<i>Loropetalum sp.</i>					
<i>Lupinus sp.</i>	1.0 (1 - 1) n4	1.0 (1 - 1) n4			1.0 (1 - 1) n2
<i>Magnolia grandiflora</i>					
<i>Magnolia sp.</i>					
<i>Malus sp.</i>					
<i>Monarda didyma</i>					
<i>Nandina domestica</i>					
<i>Narcissus sp.</i>					
<i>Nephrolepis exaltata</i>					
<i>Osteospermum sp.</i>	1.0 (1 - 1) n2	1.0 (1 - 1) n4			1.0 (1 - 1) n1
<i>Paeonia lactiflora</i>					
<i>Pelargonium sp.</i>					
<i>Pelargonium x domesticum</i>					
<i>Pelargonium x hortorum</i>	1.0 (1 - 1) n4	3.7 (2 - 5) n3	1.3 (1 - 2) n4		1.0 (1 - 1) n3
<i>Pennisetum setaceum</i>					
<i>Petunia sp.</i>	1.2 (1 - 2) n5	1.3 (1 - 2) n4			1.5 (1 - 2) n4
<i>Petunia x hybrida</i>			1.7 (1 - 3) n3		
<i>Phlox paniculata</i>					
<i>Phlox sp.</i>					
<i>Photinia sp.</i>					
<i>Picea sp.</i>					
<i>Pieris japonica</i>					
<i>Pinus sp.</i>					
<i>Potentilla sp.</i>					
<i>Pseudotsuga menziesii</i>					
<i>Quercus sp.</i>					
<i>Rhaphiolepis indica</i>					
<i>Rhododendron sp.</i>					
<i>Rosa sp.</i>			1.0 (1 - 1) n2		
<i>Rosmarinus officinalis</i>					
<i>Rudbeckia fulgida</i>					

Crop	Picatina (Pydiflumetofen)	Picatina Flora (Pydiflumetofen + fludioxonil)	Postiva (pydiflumetofen + difenconazole)	RD00AS-1 (BW159) (BW159)	S2200 4SC (Mandestrobin)
<i>Rudbeckia fulgida var. speciosa</i>					
<i>Rudbeckia hirta</i>					
<i>Saintpaulia ionantha</i>					
<i>Salvia nemorosa</i>					
<i>Salvia officinalis</i>					
<i>Salvia sp.</i>	1.2 (1 - 2) n5	1.0 (1 - 1) n4			1.0 (1 - 1) n1
<i>Salvia splendens</i>					
<i>Salvia x sylvestris</i>					
<i>Solenostemon sp.</i>					
<i>Solidago speciosa</i>					
<i>Spathiphyllum sp.</i>					
<i>Spiraea japonica</i>					
<i>Spiraea nipponica</i>					
<i>Spiraea sp.</i>					
<i>Syringa sp.</i>					
<i>Syringa vulgaris</i>					
<i>Tagetes erecta</i>			1.0 (1 - 1) n2		
<i>Tagetes patula</i>			1.5 (1 - 2) n4		
<i>Tagetes sp.</i>					
<i>Thuja occidentalis</i>					
<i>Trachelospermum jasminoides</i>					
<i>Tulipa sp.</i>					
<i>Ulmus sp.</i>					
<i>Verbena sp.</i>	1.0 (1 - 1) n5	1.0 (1 - 1) n3			1.0 (1 - 1) n1
<i>Viburnum davidii</i>					
<i>Viburnum sp.</i>					
<i>Vinca minor</i>					
<i>Vinca sp.</i>					
<i>Viola sp.</i>	1.0 (1 - 1) n1	1.3 (1 - 2) n3			1.0 (1 - 1) n2
<i>Viola X wittrockiana</i>	1.3 (1 - 3) n7	1.0 (1 - 1) n1	1.0 (1 - 1) n3	1.0 (1 - 1) n1	1.5 (1 - 3) n4
<i>Zinnia elegans</i>					
<i>Zinnia sp.</i>					

Table 6. Fungicide Product Crop Safety

Crop	Segovis (Oxathiapiprolin)	SP2478 (SP2478)	SP2480 (SP2480)	SP2700 AS (SP2700)	SP2700 WP (SP2700)
<i>Abies sp.</i>					
<i>Agapanthus sp.</i>					
<i>Aglaonema sp.</i>					
<i>Alyssum sp.</i>	1.0 (1 - 1) n3				
<i>Antirrhinum majus</i>	1.0 (1 - 1) n2				
<i>Antirrhinum sp.</i>					
<i>Aquilegia sp.</i>					
<i>Aster sp.</i>					
<i>Astilbe sp.</i>					
<i>Begonia semperflorens</i>					2.0 (1 - 3) n3
<i>Begonia sp.</i>	1.0 (1 - 1) n1				
<i>Berberis sp.</i>					
<i>Bougainvillea sp.</i>					
<i>Buddleia alternifolia</i>					
<i>Buddleia davidii</i>					
<i>Buxus sempervirens</i>					
<i>Buxus sp.</i>					
<i>Calibrachoa sp.</i>	1.0 (1 - 1) n1				
<i>Callistemon citrinus</i>					
<i>Camellia japonica</i>					
<i>Camellia sp.</i>					
<i>Campanula sp.</i>					
<i>Catharanthus roseus</i>	1.0 (1 - 1) n2				
<i>Ceanothus sp.</i>					
<i>Celosia sp.</i>					
<i>Cercis canadensis</i>					
<i>Chamaerops humilis</i>					
<i>Chrysanthemum sp.</i>					1.0 (1 - 1) n4
<i>Chrysanthemum/Dendranthema sp.</i>					
<i>Chrysanthemum/Dendranthema x morifolium</i>	1.0 (1 - 1) n1				
<i>Clematis sp.</i>					
<i>Coleus sp.</i>					
<i>Coreopsis sp.</i>	1.0 (1 - 1) n1				
<i>Cornus sp.</i>					

Crop	Segovis (Oxathiapiprolin)	SP2478 (SP2478)	SP2480 (SP2480)	SP2700 AS (SP2700)	SP2700 WP (SP2700)
<i>Cortaderia sp.</i>					
<i>Cuprocyparis leylandii</i>					
<i>Dahlia sp.</i>					
<i>Dahlia x hortensis</i>					
<i>Delphinium grandiflorum</i>					
<i>Dianthus gratianopolitanus</i>					
<i>Dianthus sp.</i>	1.0 (1 - 1) n2				
<i>Dieffenbachia sp.</i>					
<i>Dracaena sp.</i>					1.0 (1 - 1) n5
<i>Epipremnum pinnatum</i>					
<i>Euonymus alatus</i>					
<i>Euphorbia pulcherrima</i>		1.0 (1 - 1) n2			
<i>Forsythia sp.</i>					
<i>Fuschia sp.</i>			2.0 (2 - 2) n1	1.0 (1 - 1) n1	
<i>Gaillardia x grandiflora</i>					
<i>Gerbera jamesonii</i>					
<i>Gerbera sp.</i>	1.0 (1 - 1) n3				
<i>Hedera helix</i>					
<i>Helianthus maximiliani</i>					
<i>Helianthus sp.</i>					
<i>Hemerocallis sp.</i>					
<i>Heuchera sanguinea</i>					
<i>Heuchera sp.</i>					
<i>Hibiscus sp.</i>					
<i>Hosta sieboldiana</i>					
<i>Hosta sp.</i>					
<i>Hydrangea sp.</i>			1.0 (1 - 1) n3	1.0 (1 - 1) n3	
<i>Hypericum sp.</i>					
<i>Ilex sp.</i>					
<i>Impatiens hawkeri</i>	1.0 (1 - 1) n2	1.5 (1 - 3) n4	2.0 (2 - 2) n1	2.0 (2 - 2) n1	3.0 (1 - 5) n2
<i>Impatiens walleriana</i>	1.3 (1 - 2) n3	1.5 (1 - 2) n2	2.0 (2 - 2) n1	1.7 (1 - 2) n3	1.5 (1 - 2) n2
<i>Juniperus sp.</i>					
<i>Lagerstroemia indica</i>					
<i>Lamium sp.</i>					
<i>Lantana sp.</i>					
<i>Lavandula sp.</i>					
<i>Leucanthemum maximum</i>					
<i>Leucanthemum x superbum</i>			1.0 (1 - 1) n2	1.0 (1 - 1) n2	

Crop	Segovis (Oxathiapiprolin)	SP2478 (SP2478)	SP2480 (SP2480)	SP2700 AS (SP2700)	SP2700 WP (SP2700)
<i>Liatris spicata</i>					
<i>Lobularia maritima</i>					
<i>Loropetalum sp.</i>					
<i>Lupinus sp.</i>	1.0 (1 - 1) n2				
<i>Magnolia grandiflora</i>					
<i>Magnolia sp.</i>					
<i>Malus sp.</i>					
<i>Monarda didyma</i>					
<i>Nandina domestica</i>					
<i>Narcissus sp.</i>					
<i>Nephrolepis exaltata</i>					
<i>Osteospermum sp.</i>	1.0 (1 - 1) n3				
<i>Paeonia lactiflora</i>					
<i>Pelargonium sp.</i>					
<i>Pelargonium x domesticum</i>					
<i>Pelargonium x hortorum</i>	1.0 (1 - 1) n2		1.0 (1 - 1) n2	2.0 (1 - 4) n4	
<i>Pennisetum setaceum</i>					
<i>Petunia sp.</i>	1.0 (1 - 1) n1		2.0 (2 - 2) n1	1.5 (1 - 2) n4	
<i>Petunia x hybrida</i>		1.0 (1 - 1) n4			
<i>Phlox paniculata</i>					
<i>Phlox sp.</i>					
<i>Photinia sp.</i>					
<i>Picea sp.</i>					
<i>Pieris japonica</i>					
<i>Pinus sp.</i>					
<i>Potentilla sp.</i>					
<i>Pseudotsuga menziesii</i>					
<i>Quercus sp.</i>					
<i>Rhaphiolepis indica</i>					
<i>Rhododendron sp.</i>					
<i>Rosa sp.</i>		1.0 (1 - 1) n2	2.0 (1 - 3) n2	1.0 (1 - 1) n2	
<i>Rosmarinus officinalis</i>					
<i>Rudbeckia fulgida</i>					
<i>Rudbeckia fulgida var. speciosa</i>					
<i>Rudbeckia hirta</i>					
<i>Saintpaulia ionantha</i>					
<i>Salvia nemorosa</i>					
<i>Salvia officinalis</i>					

Crop	Segovis (Oxathiapiprolin)	SP2478 (SP2478)	SP2480 (SP2480)	SP2700 AS (SP2700)	SP2700 WP (SP2700)
<i>Salvia sp.</i>	1.0 (1 - 1) n1				
<i>Salvia splendens</i>		1.0 (1 - 1) n3			
<i>Salvia x sylvestris</i>					
<i>Solenostemon sp.</i>					
<i>Solidago speciosa</i>					
<i>Spathiphyllum sp.</i>					
<i>Spiraea japonica</i>					
<i>Spiraea nipponica</i>					
<i>Spiraea sp.</i>					
<i>Syringa sp.</i>					
<i>Syringa vulgaris</i>					
<i>Tagetes erecta</i>					
<i>Tagetes patula</i>					
<i>Tagetes sp.</i>			1.0 (1 - 1) n2	1.3 (1 - 2) n3	
<i>Thuja occidentalis</i>					
<i>Trachelospermum jasminoides</i>					
<i>Tulipa sp.</i>					
<i>Ulmus sp.</i>					
<i>Verbena sp.</i>	1.0 (1 - 1) n1			1.0 (1 - 1) n1	1.0 (1 - 1) n1
<i>Viburnum davidii</i>					
<i>Viburnum sp.</i>					
<i>Vinca minor</i>		1.0 (1 - 1) n1			
<i>Vinca sp.</i>					
<i>Viola sp.</i>	1.0 (1 - 1) n1	1.0 (1 - 1) n3		1.0 (1 - 1) n1	
<i>Viola X wittrockiana</i>	1.0 (1 - 1) n1	1.0 (1 - 1) n3	3.0 (3 - 3) n1	1.0 (1 - 1) n1	1.3 (1 - 2) n3
<i>Zinnia elegans</i>					
<i>Zinnia sp.</i>					

Table 7. Fungicide Product Crop Safety

Crop	Torque 3_6SC (Tebuconazole)	Tourney 50WDG (Metconazole)	Tril-21 (Thyme oil)	Trinity 2SC (Triticonazole)	XDE-659 (florypicoxamid)	Zio (Pseudomonas chlororaphis strain AFS009)
<i>Abies sp.</i>						
<i>Agapanthus sp.</i>						
<i>Aglaonema sp.</i>						
<i>Alyssum sp.</i>				1.0 (1 - 1) n3		
<i>Antirrhinum majus</i>	1.5 (1 - 2) n2			1.0 (1 - 1) n1		1.0 (1 - 1) n3
<i>Antirrhinum sp.</i>						
<i>Aquilegia sp.</i>						
<i>Aster sp.</i>						
<i>Astilbe sp.</i>						
<i>Begonia semperflorens</i>						
<i>Begonia sp.</i>		2.0 (1 - 4) n3				1.3 (1 - 2) n3
<i>Berberis sp.</i>						
<i>Bougainvillea sp.</i>						
<i>Buddleia alternifolia</i>					1.0 (1 - 1) n1	
<i>Buddleia davidii</i>						
<i>Buxus sempervirens</i>					1.0 (1 - 1) n3	
<i>Buxus sp.</i>	1.0 (1 - 1) n3	1.0 (1 - 1) n6		1.0 (1 - 1) n6		
<i>Calibrachoa sp.</i>	1.0 (1 - 1) n3	1.6 (1 - 3) n5		1.5 (1 - 3) n4		1.0 (1 - 1) n2
<i>Callistemon citrinus</i>						
<i>Camellia japonica</i>						
<i>Camellia sp.</i>						
<i>Campanula sp.</i>						
<i>Catharanthus roseus</i>		1.5 (1 - 2) n2				
<i>Ceanothus sp.</i>						
<i>Celosia sp.</i>						
<i>Cercis canadensis</i>						
<i>Chamaerops humilis</i>		1.0 (1 - 1) n3		1.0 (1 - 1) n3		
<i>Chrysanthemum sp.</i>						
<i>Chrysanthemum/Dendranthema sp.</i>				1.0 (1 - 1) n1		
<i>Chrysanthemum/Dendranthema x morifolium</i>						
<i>Clematis sp.</i>						
<i>Coleus sp.</i>						
<i>Coreopsis sp.</i>						

Crop	Torque 3_6SC (Tebuconazole)	Tourney 50WDG (Metconazole)	Tril-21 (Thyme oil)	Trinity 2SC (Triticonazole)	XDE-659 (florylpicoxamid)	Zio (Pseudomonas chlororaphis strain AFS009)
<i>Cornus sp.</i>						
<i>Cortaderia sp.</i>				1.0 (1 - 1) n1		
<i>Cuprocyparis leylandii</i>						
<i>Dahlia sp.</i>				1.0 (1 - 1) n2		
<i>Dahlia x hortensis</i>						
<i>Delphinium grandiflorum</i>						
<i>Dianthus gratianopolitanus</i>						
<i>Dianthus sp.</i>						
<i>Dieffenbachia sp.</i>						
<i>Dracaena sp.</i>						
<i>Epipremnum pinnatum</i>						
<i>Euonymus alatus</i>						
<i>Euphorbia pulcherrima</i>					1.0 (1 - 1) n1	1.0 (1 - 1) n2
<i>Forsythia sp.</i>					1.0 (1 - 1) n1	
<i>Fuschia sp.</i>						
<i>Gaillardia x grandiflora</i>		1.0 (1 - 1) n2		1.0 (1 - 1) n2		
<i>Gerbera jamesonii</i>						
<i>Gerbera sp.</i>						1.0 (1 - 1) n1
<i>Hedera helix</i>		2.5 (1 - 4) n2		1.0 (1 - 1) n2		
<i>Helianthus maximiliani</i>						
<i>Helianthus sp.</i>						
<i>Hemerocallis sp.</i>					1.0 (1 - 1) n3	
<i>Heuchera sanguinea</i>						
<i>Heuchera sp.</i>						
<i>Hibiscus sp.</i>						
<i>Hosta sieboldiana</i>						
<i>Hosta sp.</i>						
<i>Hydrangea sp.</i>	1.3 (1 - 2) n3				1.0 (1 - 1) n2	
<i>Hypericum sp.</i>						
<i>Ilex sp.</i>		1.8 (1 - 4) n4		1.0 (1 - 1) n3		
<i>Impatiens hawkeri</i>		3.8 (3 - 5) n4		1.7 (1 - 3) n3		1.0 (1 - 1) n2
<i>Impatiens walleriana</i>						1.7 (1 - 3) n3
<i>Juniperus sp.</i>						
<i>Lagerstroemia indica</i>						
<i>Lamium sp.</i>						
<i>Lantana sp.</i>		1.0 (1 - 1) n1		1.0 (1 - 1) n1		

Crop	Torque 3_6SC (Tebuconazole)	Tourney 50WDG (Metconazole)	Tril-21 (Thyme oil)	Trinity 2SC (Triticonazole)	XDE-659 (florylpicoxamid)	Zio (Pseudomonas chlororaphis strain AFS009)
<i>Lavandula sp.</i>						
<i>Leucanthemum maximum</i>						
<i>Leucanthemum x superbum</i>						
<i>Liatris spicata</i>						
<i>Lobularia maritima</i>				1.0 (1 - 1) n1		
<i>Loropetalum sp.</i>		1.0 (1 - 1) n2		1.0 (1 - 1) n2		
<i>Lupinus sp.</i>						
<i>Magnolia grandiflora</i>						
<i>Magnolia sp.</i>						
<i>Malus sp.</i>						
<i>Monarda didyma</i>						
<i>Nandina domestica</i>		1.0 (1 - 1) n1				
<i>Narcissus sp.</i>	3.0 (3 - 3) n1	3.0 (3 - 3) n1				
<i>Nephrolepis exaltata</i>					1.0 (1 - 1) n2	
<i>Osteospermum sp.</i>	1.0 (1 - 1) n3	1.0 (1 - 1) n2		1.0 (1 - 1) n3		
<i>Paeonia lactiflora</i>						
<i>Pelargonium sp.</i>	1.0 (1 - 1) n2					
<i>Pelargonium x domesticum</i>						
<i>Pelargonium x hortorum</i>						1.3 (1 - 2) n3
<i>Pennisetum setaceum</i>				1.0 (1 - 1) n1		
<i>Petunia sp.</i>	1.0 (1 - 1) n2	1.0 (1 - 1) n2	1.0 (1 - 1) n1	1.0 (1 - 1) n2		1.0 (1 - 1) n2
<i>Petunia x hybrida</i>						
<i>Phlox paniculata</i>						
<i>Phlox sp.</i>						
<i>Photinia sp.</i>				1.0 (1 - 1) n1		
<i>Picea sp.</i>						
<i>Pieris japonica</i>						
<i>Pinus sp.</i>						
<i>Potentilla sp.</i>						
<i>Pseudotsuga menziesii</i>	1.0 (1 - 1) n1	1.0 (1 - 1) n1		1.0 (1 - 1) n1		
<i>Quercus sp.</i>						
<i>Raphiolepis indica</i>		1.0 (1 - 1) n2		1.0 (1 - 1) n2		
<i>Rhododendron sp.</i>	1.0 (1 - 1) n6					
<i>Rosa sp.</i>	1.0 (1 - 1) n3				1.0 (1 - 1) n2	
<i>Rosmarinus officinalis</i>						
<i>Rudbeckia fulgida</i>						

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<i>Rudbeckia fulgida var. speciosa</i>						
<i>Rudbeckia hirta</i>						
<i>Saintpaulia ionantha</i>						
<i>Salvia nemorosa</i>						
<i>Salvia officinalis</i>		1.5 (1 - 2) n2		1.0 (1 - 1) n2		
<i>Salvia sp.</i>						
<i>Salvia splendens</i>						1.0 (1 - 1) n1
<i>Salvia x sylvestris</i>						1.0 (1 - 1) n1
<i>Solenostemon sp.</i>						
<i>Solidago speciosa</i>						
<i>Spathiphyllum sp.</i>						
<i>Spiraea japonica</i>					1.0 (1 - 1) n1	
<i>Spiraea nipponica</i>						
<i>Spiraea sp.</i>		1.0 (1 - 1) n4				
<i>Syringa sp.</i>						
<i>Syringa vulgaris</i>						
<i>Tagetes erecta</i>						
<i>Tagetes patula</i>						
<i>Tagetes sp.</i>				2.0 (2 - 2) n1		1.0 (1 - 1) n3
<i>Thuja occidentalis</i>		1.0 (1 - 1) n3			1.0 (1 - 1) n3	
<i>Trachelospermum jasminoides</i>					1.0 (1 - 1) n2	
<i>Tulipa sp.</i>	2.0 (2 - 2) n1	3.0 (3 - 3) n1		1.0 (1 - 1) n1		
<i>Ulmus sp.</i>		1.5 (1 - 2) n2				
<i>Verbena sp.</i>		1.5 (1 - 3) n4		1.0 (1 - 1) n2		1.3 (1 - 2) n3
<i>Viburnum davidii</i>						
<i>Viburnum sp.</i>				1.3 (1 - 2) n4		
<i>Vinca minor</i>						
<i>Vinca sp.</i>						
<i>Viola sp.</i>	2.5 (1 - 4) n2					
<i>Viola X wittrockiana</i>			1.0 (1 - 1) n1			
<i>Zinnia elegans</i>						1.7 (1 - 3) n3
<i>Zinnia sp.</i>	1.0 (1 - 1) n2					