



Received requests¹ for the Exceptional Use Policy v.1, with final decisions and its justifications

Disclaimer 1: The displayed alternatives information is provided without warranty express or implied, and for information purposes only.

Disclaimer 2: Approved exceptions are authorized within the Exceptional Use Policy framework only and its respective conditions and risk mitigation measures.

Consolidated requests (as received)				Final decisions and its justifications						
a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Borax; Borate salts	All countries	Nutrition	All crops	Approve	All countries	Not applicable	Cost effective source of boron			
Boric acid	All countries	Nutrition	All crops	Approve	All countries	Not applicable	Cost effective source of boron			
Brodifacoum - Baited traps	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	All crops	Approve	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	Needed for food safety requirements and public health reasons. Only for use in infrastructure.			
Bromadiolone - Baited traps	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	All crops	Approve	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	Needed for food safety requirements and public health reasons. Only for use in infrastructure.			
Bromethalin - Baited traps	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	All crops	Approve	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	Needed for food safety requirements and public health reasons. Only for use in infrastructure.			
Chlorophacinone - Baited traps	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	All crops	Approve	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	Needed for food safety requirements and public health reasons. Only for use in infrastructure.			
Coumatetralyl - Baited traps	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	All crops	Approve	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	Needed for food safety requirements and public health reasons. Only for use in infrastructure.			
Difethialone - Baited traps	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	All crops	Approve	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	Needed for food safety requirements and public health reasons. Only for use in infrastructure.			

¹ From July 1st to Dec 31st, 2020

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Diphacinone - Baited traps	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	All crops	Approve	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	Needed for food safety requirements and public health reasons. Only for use in infrastructure.			
Flocoumafen - Baited traps	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	All crops	Approve	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	Needed for food safety requirements and public health reasons. Only for use in infrastructure.			
Strychnine - Baited traps	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	All crops	Approve	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	Needed for food safety requirements and public health reasons. Only for use in infrastructure.			
Warfarin - Baited traps	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	All crops	Approve	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	Needed for food safety requirements and public health reasons. Only for use in infrastructure.			
Zinc phosphide - Baited traps	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	All crops	Approve	All countries	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Oligoryzomys sp.</i> , <i>Peromyscus sp.</i> , <i>Sigmodon spp.</i>)	Needed for food safety requirements and public health reasons. Only for use in infrastructure.			
Glufosinate-ammonium	Colombia South Africa	Weeds (<i>Gnaphallum spp.</i> , <i>Bidens Pilosa</i> , <i>Galinsoga cillat</i> , <i>Portulaca oleraceae</i> , <i>Eleusine indica</i> , <i>Emilia sonchifolia</i> , <i>Chamaesyce hirta</i> , <i>Sida rhombifolia</i> , <i>Starchytarpeta sp.</i> , <i>Merremia quinquefolia</i> .)	Avocado	Reject				Colombia South Africa	Weeds	Other weed control methods available, including less toxic alternatives. *Registered in Colombia: Glyphosate, MSMA, diflufenican/glyphosate *Registered in South Africa: carfentrazone-ethyl, clethodim, cycloxydim, dazomet, diquat, diuron, fluroxypyr, glyphosate, halosulfuron, propaquizafop, S-metolachlor / terbuthylazine, terbuthylazine, Fluroxypyr
Paraquat dichloride	South Africa Peru	Red spinach (<i>Amaranthus dubius</i>)	Avocado	Reject				South Africa Peru	Red spinach (<i>Amaranthus dubius</i>)	Peru: Product is not registered for the requested crop, pest, or combination South Africa: Severe risks to human health and prohibited with no exceptions on UTZ 2015 & RA2017 Certification Programs.

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Beta-cyfluthrin	South Africa	Coconut bug (<i>Pseudotheraptus wayi</i>), broken back bug (<i>Tayloritygus sp.</i>)	Avocado	Reject				South Africa	Coconut bug (<i>Pseudotheraptus wayi</i>), broken back bug (<i>Tayloritygus sp.</i>)	Less toxic pyrethroids/ pyrethrin available. *Registered in South Africa: alpha-Cypermethrin, Pymetrozine, Acephate
Imidacloprid	Colombia	Thrips (<i>Frankliniella spp.</i>)	Avocado	Reject				Colombia	Thrips (<i>Frankliniella spp.</i>)	Less toxic alternatives available, including other substances with the same MoA. *Registered in Colombia: Acetamiprid, Thiacloprid, Sulfoxaflor, Spinetoram, Spinosad, Bifenthrin
Thiamethoxam	Chile Peru	Mealybug (<i>Pseudococcus calceolariae</i>), Long tailed mealybug (<i>Pseudococcus longispinus</i>), Black scale (<i>Saissetia oleae</i>), Black thrips (<i>Heliothrips haemorrhoidalis</i>), Avocado scale (<i>Fiorinia fioriniae</i>), Scale (<i>Hemiberlesia lataniae</i>)	Avocado	Reject				Chile Peru	Mealybugs (<i>Pseudococcus spp.</i>), Scales (<i>Saissetia oleae</i> , <i>Fiorinia fioriniae</i> , <i>Hemiberlesia lataniae</i>), Thrips (<i>Heliothrips haemorrhoidalis</i> , <i>Frankliniella spp.</i>)	Other less toxic alternatives available, including substances from the same MoA. *Registered in Chile: Acephate, Spinosad, Milbemectin, Pyridaben, Buprofezin, Diazinon, spirotetramat, Bifenthrin, sulfoxaflor *Registered in Peru: Acetamiprid, Pyriproxifen, Dimethoate, buprofezin, spirotetramat, sulfoxaflor
Abamectin	Chile Peru Mexico	Mites (<i>Oligonychus pp.</i> , <i>Panonychus spp.</i> , <i>Brevipalpus chilensis</i> , <i>Tetranychus urticae</i> , <i>Polyphagotarsonemus latus</i> , <i>Aceria sheldoni</i> , <i>Bryobia rubrioculus</i>), Thrips (<i>Heliothrips haemorrhoidalis</i> , <i>Frankliniella spp.</i>)	Avocado	Approve	Chile Peru Mexico	Mites (<i>Oligonychus spp.</i> , <i>Panonychus spp.</i> , <i>Brevipalpus chilensis</i> , <i>Tetranychus urticae</i> , <i>Polyphagotarsonemus latus</i> , <i>Aceria sheldoni</i> , <i>Bryobia rubrioculus</i>), Thrips (<i>Heliothrips haemorrhoidalis</i> , <i>Frankliniella spp.</i>)	Contact acaricide/insecticide with proven efficacy on various pests. Can be used as part of a multi-pest control strategy			

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Spirodiclofen	Chile	Avocado red mite (<i>Oligonychus yothersi</i>), Red spider (<i>Tetanichus urticae</i>), Citrus red mite (<i>Panonychus citri</i>), European red spider mite (<i>Panonychus ulmi</i>), Chilean false red mite (<i>Brevipalpus chilensis</i>), Brown mite (<i>Bryobia rubrioculus</i>), Broad mite (<i>Polyphagotarsonemus latus</i>), bud mite (<i>Eryophis sheldoni</i>)	Avocado	Reject				Chile	Avocado red mite (<i>Oligonychus yothersi</i>), Red spider (<i>Tetanichus urticae</i>), Citrus red mite (<i>Panonychus citri</i>), European red spider mite (<i>Panonychus ulmi</i>), Chilean false red mite (<i>Brevipalpus chilensis</i>), Brown mite (<i>Bryobia rubrioculus</i>), Broad mite (<i>Polyphagotarsonemus latus</i>), bud mite (<i>Eryophis sheldoni</i>)	Exception granted to Abamectin; Less toxic alternatives available, including other substances with the same MoA. *Registered in Chile: Abamectin, Milbemectin, Spirotetramat, Acequinocyl, Bifenazate, Paraffin oil.
Glufosinate-ammonium	Ecuador Costa Rica Guatemala Colombia Ghana Ivory Coast Cameroon	Weeds	Banana	Reject				Ecuador Costa Rica Guatemala Colombia Ghana Ivory Coast Cameroon	Weeds	Other weed control methods available, including less toxic alternatives. *Registered in Ecuador: Ametryn, Carfentrazone-E, Diquat, Diquat-Dibromide, Diuron, Glyphosate, Glyphosate-Isopropyl-Amine, Indaziflam, Oxyfluorfen, Saflufenacil *Registered in Costa Rica: 2.2-Dpa(Dalapon), Ametryn, Carfentrazone-E, Diquat, Diuron, Fluazifop-P-B, Glyphosate, Glyphosate-Trimesium, Indaziflam, Oxyfluorfen *Registered in Colombia: Ametryn, Carfentrazone-E, Diquat, Diuron, Fluazifop-P-B, Glyphosate, Glyphosate-Isopropyl-Amine, MSMA, Oxyfluorfen, Pendimethalin, Saflufenacil *Registered in Ghana:

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
										Ametryn, Butachlor, Glyphosate, Nicosulfuron, Oxyfluorfen, Triclopyr *Registered in Ivory Coast: 2.4-D-Dimethylamine-Salt, Ametryn, Glyphosate, Glyphosate-Isopropyl-Amine, Indaziflam, Pendimethalin, Saflufenacil *Registered in Cameroon: 2.4-D-Dimethylamine-Salt, Glyphosate
Paraquat dichloride	Ecuador	Weeds (<i>Rottboellia cochinchinensis</i> . <i>Echinochloa colonum</i> . <i>Fleurya aestuans</i> . <i>Momordica charantia</i> . <i>Panicum trichoides</i>)	Banana	Reject				Ecuador	Weeds (<i>Rottboellia cochinchinensis</i> . <i>Echinochloa colonum</i> . <i>Fleurya aestuans</i> . <i>Momordica charantia</i> . <i>Panicum trichoides</i>)	Severe risks to human health and prohibited with no exceptions on UTZ 2015 & RA2017 Certification Programs. Other weed control methods available, including less toxic alternatives. *Registered in Ecuador: Ametryn, Carfentrazone-E, Diquat, Diquat-Dibromide, Diuron, Glyphosate, Glyphosate-Ammonium, Glyphosate-Isopropyl-Amine, Indaziflam, Oxyfluorfen, Saflufenacil
Carbendazim	Philippines	Diamond Fruit Sport (<i>Cercospora hayii</i>), Anthracnose (<i>Colletotrichum musae</i>)	Banana	Reject				Philippines	Diamond Fruit Sport (<i>Cercospora hayii</i>), Anthracnose (<i>Colletotrichum musae</i>)	Other less toxic alternatives available, including other substances from the same MoA. *Registered in Philippines: Thiophanate-methyl, Triflumizole, Azoxystrobin, Pyrimethanil
Chlorothalonil	Ecuador Costa Rica Philippines Honduras Guatemala Colombia	Black Sigatoka (<i>Mycosphaerella fijiensis</i>), Yellow Sigatoka (<i>Mycosphaerella musicola</i>), Banana Freckle (<i>Phyllosticta musarum</i>)	Banana	Approve	Ecuador, Costa Rica, Philippines, Honduras, Guatemala, Colombia	Black Sigatoka (<i>Mycosphaerella fijiensis</i>), Yellow Sigatoka (<i>Mycosphaerella musicola</i>), Banana Freckle (<i>Phyllosticta musarum</i>)	Protectants are needed for resistance control. Important to have more than one alternative.			

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Epoxiconazole	Ecuador Costa Rica Philippines Guatemala Honduras Colombia Ivory Coast Cameroon	Black Sigatoka (<i>Mycosphaerella fijiensis</i>), Yellow Sigatoka (<i>Micosphaerella musicola</i>)	Banana	Partial approval (to some of the requested countries, all the requested pests)	Ecuador, Costa Rica, Philippines, Guatemala, Honduras, Colombia, Ivory Coast	Black Sigatoka (<i>Mycosphaerella fijiensis</i>), Yellow Sigatoka (<i>Micosphaerella musicola</i>)	Triazole with high efficacy. More than one a.i. of this MoA should be available as a tool to ensure availability from suppliers, necessary inventories for use, and economics for the growers.	Cameroon		Product is not registered for the request crop/pest or combination
Propiconazol	Ecuador Philippines Colombia Guatemala	Black Sigatoka (<i>Micosphaerella fijiensis</i>), Yellow Sigatoka (<i>Micosphaerella musicola</i>), Thrips (<i>Frankliniella spp.</i>)	Banana	Reject				Ecuador Philippines Colombia Guatemala	Black Sigatoka (<i>Micosphaerella fijiensis</i>), Yellow Sigatoka (<i>Micosphaerella musicola</i>), Thrips (<i>Frankliniella spp.</i>)	Exception granted to Epoxiconazole and Triadimenol. Other less toxic triazoles available. *Registered in Colombia: Tebuconazole, difenoconazole, bitertanol, flutriafol, fenbuconazole, hexaconazole, flusilazole *Registered in Ecuador: Tebuconazole, Difenoconazole, bitertanol, mefentrifluconazole, fenbuconazole, flutriafol, metconazole *Registered in Philippines: Bitertanol, difenoconazole, diniconazole, fenbuconazole, Tebuconazole, tetraconazole
Triadimenol	Philippines Costa Rica Honduras Guatemala Colombia Ecuador	Black Sigatoka (<i>Micosphaerella fijiensis</i>), Yellow Sigatoka (<i>Micosphaerella musicola</i>),	Banana	Approve	Philippines Costa Rica Honduras Guatemala Colombia Ecuador	Black Sigatoka (<i>Micosphaerella fijiensis</i>), Yellow Sigatoka (<i>Micosphaerella musicola</i>),	Triazole with high efficacy. More than one a.i. of this MoA should be available as a tool to ensure availability from suppliers, necessary inventories for use, and economics for the growers.			
Tridemorph	Philippines Colombia	Black Sigatoka (<i>Micosphaerella fijiensis</i>), Yellow Sigatoka (<i>Micosphaerella musicola</i>), Black Freckle (<i>Phyllosticta musarum</i>)	Banana	Reject				Philippines Colombia	Black Sigatoka (<i>Micosphaerella fijiensis</i>), Yellow Sigatoka (<i>Micosphaerella musicola</i>), Black Freckle (<i>Phyllosticta musarum</i>)	Less toxic alternatives available, including other substances with the same MoA. *Registered in Colombia: fenpropimorph *Registered in the Philippines: fenpropimorph

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Paraffin oils with a DMSO content > 3%	Colombia	Black Sigatoka (<i>Micosphaerella fijiensis</i>)	Banana	Reject				Colombia	Black Sigatoka (<i>Micosphaerella fijiensis</i>)	All well-known commercial agricultural oils meet this contaminant threshold.
Chlorpyrifos	Philippines Costa Rica Honduras Guatemala Ecuador Colombia	Mealybugs (<i>Dysmicoccus brevipes</i> , <i>Pseudococcus elisae</i> , <i>Pseudococcus sp.</i> , <i>Ferrista sp.</i> , <i>Dysmicoccus sp.</i> , Scale insects (<i>Aspidiotus destructor</i> , <i>Diaspis boisduvallii</i>), Thrips (<i>Thrips florum</i> , <i>Franckliniella spp.</i> , <i>Chaetanaphothrips signipennis</i>), Banana fruit scarring beetle (<i>Colaspis hyperchlora</i> , <i>Colaspis spp.</i>), Aphids (<i>Pentalonia sp.</i> , <i>Pentatonia nigronervosa</i>), Crazy ants (<i>Anoplolepis gracillipe</i>), Wasps (<i>Osarema costaricensis</i>), Worm (<i>Pyroderces rileyi</i>), Black Sigatoka, Yellow Sigatoka, Banana Weevil	Banana	Partial approval (to all the requested countries, only some of the requested pests)	Philippines Costa Rica Honduras Guatemala Ecuador Colombia	Mealybugs (<i>Pseudococcus sp.</i> , <i>Ferrista sp.</i> , <i>Dysmicoccus sp.</i>), Aphids (<i>Pentalonia sp.</i>), Scarring beetle (<i>Colaspis sp.</i>)	Systemic insecticide needed for pest control. It is impregnated usually in plastic strips and therefore overall chemical use is small and very targeted with limited impact to the environment and applicators. Consider strict EU MRLs.		Scale insects, Thrips, Crazy ants (<i>Anoplolepis gracillipe</i>), Wasps (<i>Osarema costaricensis</i>), Worm (<i>Pyroderces rileyi</i>), Black Sigatoka (<i>Mycosphaerella fijiensis</i>), Yellow Sigatoka (<i>Micosphaerella musicola</i>), Banana Weevil (<i>Cosmopolites sordidus</i>)	Secondary pests or a.i is not effective for the requested pest.
Chlorpyrifos-methyl	Guatemala Honduras Costa Rica	Mealybugs (<i>Pseudococcus elisae</i>) Scale (<i>Aspidiotus destructor</i> , <i>Diaspis boisduvallii</i>), Aphids (<i>Pentalonia sp.</i>)	Banana	Reject				Guatemala, Honduras, Costa Rica	Mealybugs (<i>Pseudococcus elisae</i>) Scale (<i>Aspidiotus destructor</i> , <i>Diaspis boisduvallii</i>), Aphids (<i>Pentalonia sp.</i>)	The Chlorpyrifos-methyl formulation is more volatile than chlorpyrifos. It is apparently used more for warehouses and grain storage fumigation.

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Imidacloprid	Costa Rica Honduras Guatemala Ecuador Ivory Coast Cameroon Philippines	Banana Weevils (<i>Cosmopolites sordidus</i>) Mealybugs (<i>Pseudococcus elisae</i>) Scales (<i>Aspidiotus destructor</i>) Aphids (<i>Diaspis boisduvallii</i> , <i>Pentalonia sp.</i>), Bergkaree (<i>Leptodictya sp.</i>), Banana flower thrips (<i>Thrips florum</i>)	Banana	Partial approval (to all the requested countries, only some of the requested pests)	Costa Rica Honduras Guatemala Ecuador Ivory Coast Cameroon Philippines	Mealybugs (<i>Pseudococcus sp.</i> , <i>Ferrisia sp.</i> , <i>Dysmicoccus sp.</i>), Aphids (<i>Pentalonia sp.</i>), banana weevil (<i>Cosmopolites sordidus</i>)	Substitute for chlorpyrifos for banana operations focused on exporting to the EU market. Different mode of action to other insecticides used (OPs and growth regulators); highly effective for mealy bug control and aphids in direct application to whorl.		Scales (<i>Aspidiotus destructor</i>), Bergkaree (<i>Leptodictya sp.</i>), Banana flower thrips (<i>Thrips florum</i>)	Secondary pests or a.i is not effective for the requested pest.
Thiamethoxam	Ecuador Costa Rica Honduras Guatemala Cameroon Colombia	Nematodes (<i>Radophulus similis</i> , <i>Pratylenchus sp.</i> , <i>Helicotylenchus multinctus</i> , <i>H. dyhisteria</i> , <i>Meloidogyne incognita</i> , <i>M. javania</i>), Banana Weevils (<i>Cosmopolites sordidus</i>), Mealybug (<i>Dysmicoccus brevipes</i> , <i>Pseudococcus elisae</i>), Coconut scale (<i>Aspidiotus destructor</i>), Boisduval scale (<i>Diaspis boisduvallii</i>), Banana Aphid (<i>Pentalonia sp.</i>), red spider mite (<i>Tetranychus sp.</i>)	Banana	Partial approval (to some of the requested countries, some of the requested pests)	Ecuador Honduras Guatemala Cameroon	Nematodes (various), Banana Weevils (<i>Cosmopolites sordidus</i>), Mealybugs (<i>Pseudococcus sp.</i> , <i>Ferrisia sp.</i> , <i>Dysmicoccus sp.</i>)		Colombia Costa Rica	Coconut scale (<i>Aspidiotus destructor</i>), Boisduval scale (<i>Diaspis boisduvallii</i>), Banana Aphid (<i>Pentalonia sp.</i>), red spider mite (<i>Tetranychus sp.</i>)	Countries: Product is not registered for the requested crop, pest, or combination. Pests: Secondary pests or a.i is not effective for the requested pest.

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Abamectin	Costa Rica Ecuador Guatemala Honduras	Nematodes (<i>Radopholus similis</i> , <i>Radopholus sp.</i> , <i>Pratylenchus sp.</i>), Banana weevil (<i>Cosmopolites sordidus</i>), Mealybugs (<i>Dysmicoccus brevipes</i>), Red spider mite (<i>Tetranychus sp.</i>)	Banana	Approve	Costa Rica Ecuador Guatemala Honduras	Nematodes (various), banana weevil (<i>Cosmopolites sordidus</i>), Mealybugs (<i>Pseudococcus sp.</i> , <i>Ferrisia sp.</i> , <i>Dysmicoccus sp.</i>), Mites (<i>Tetranychus sp.</i>)	Contact acaricide/insecticide with proven efficacy on various pests. Can be used as part of a multi-pest control strategy. In combination with thiamethoxam, is a lower toxic nematicide.			
Cadusafos	Costa Rica Honduras Guatemala Ecuador	Nematodes (<i>Radopholus similis</i> , <i>Meloidogyne sp.</i> , <i>Meloidogyne sp.</i> , <i>Pratylenchus sp.</i> , <i>Helicotylenchus sp.</i>), Banana weevil (<i>Cosmopolites sordidus</i>)	Banana	Partial approval (to all the requested countries, only some of the requested pests)	Costa Rica, Honduras, Guatemala, Ecuador	Nematodes (various)	Few nematicides available. Needed as part of a rotation program.		Banana weevil (<i>Cosmopolites sordidus</i>)	Other less toxic alternatives available. *Registered in Costa Rica: Diazinon, Malathion, Carbaryl, Imidacloprid, Thiamethoxam, Abamectin *Registered in Ecuador: Sordidin, Benfurcarb, carbaryl, Abamectin, Thiamethoxam, Imidacloprid
Carbofuran	Philippines	Nematodes (<i>Radopholus similis</i> , <i>Helicotylenchus sp.</i> , <i>Pratylenchus sp.</i> , <i>Meloidogyne sp.</i>), Banana Weevil (<i>Cosmopolites sordidus</i>), Banana fruit scarring beetle (<i>Colaspis hyperchlora</i>)	Banana	Reject				Philippines	Nematodes (<i>Radopholus similis</i> , <i>Helicotylenchus sp.</i> , <i>Pratylenchus sp.</i> , <i>Meloidogyne sp.</i>), Banana Weevil (<i>Cosmopolites sordidus</i>), Banana fruit scarring beetle (<i>Colaspis hyperchlora</i>)	Muta 1B and Carc 1B - may cause heritable, irreversible damage to human health. Other nematicides available and less toxic alternatives for banana weevil and banana fruit scarring beetle control

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Ethoprophos	Costa Rica Honduras Guatemala Ecuador	Nematodes (<i>Radopholus silmillis</i> , <i>Meloidogyne sp</i> , <i>Meloidgune sp</i> , <i>Pratylenchus sp</i> , <i>Helicotylenchus sp.</i>), Banana Weevil (<i>Cosmopolites sordidus</i>), Weeds (<i>Rottboellia cochinchinensis</i> , <i>Commelina diffusa</i> , <i>Bidens pilosa</i> , <i>Peperomia pellucida</i> , <i>Echinochloa colonum</i> , <i>Pityrogramma calomelanos</i> , <i>Eleusine indica</i> , <i>Cyperus luzulae</i>)	Banana	Partial approval (to all the requested countries, only some of the requested pests)	Costa Rica Honduras Guatemala Ecuador	Nematodes (various)	Few nematicides available		Banana Weevil (<i>Cosmopolites sordidus</i>), Weeds (<i>Rottboellia cochinchinensis</i> , <i>Commelina diffusa</i> , <i>Bidens pilosa</i> , <i>Peperomia pellucida</i> , <i>Echinochloa colonum</i> , <i>Pityrogramma calomelanos</i> , <i>Eleusine indica</i> , <i>Cyperus luzulae</i>)	Weeds: Nematicides not effective for weed control Banana weevil: Other less toxic alternatives available. *Registered in Costa Rica: Diazinon, Malathion, Carbaryl, Imidacloprid, Thiamethoxam, Abamectin *Registered in Ecuador: Sordidin, Benfurcarb, carbaryl, Abamectin, Thiamethoxam, Imidacloprid
Fenamiphos	Costa Rica	Nematodes (<i>Radopholus silmillis</i> , <i>Meloidogyne sp</i> , <i>Meloidgune sp</i> , <i>Pratylenchus sp</i> , <i>Helicotylenchus sp</i> , <i>Rotylenchulus sp.</i>), Banana Weevil (<i>Cosmopolites sordidus</i>)	Banana	Reject				Costa Rica	Nematodes (<i>Radopholus silmillis</i> , <i>Meloidogyne sp</i> , <i>Meloidgune sp</i> , <i>Pratylenchus sp</i> , <i>Helicotylenchus sp</i> , <i>Rotylenchulus sp</i>), Banana Weevil (<i>Cosmopolites sordidus</i>)	A.I has lost effectiveness in the past because of accelerated biodegradation.
Oxamyl	Costa Rica Honduras Guatemala Ecuador Ivory Coast Cameroon Philippines	Nematodes (<i>Radopholus similis</i> , <i>Meloidogyne sp</i> , <i>Pratylenchus sp</i> , <i>Helicotylenchus sp</i> , <i>Rotylenchulus sp</i> , <i>Radopholus sp.</i>), Banana Weevils (<i>Cosmopolites sordidus</i>)	Banana	Approve	Costa Rica, Honduras, Guatemala, Ecuador, Ivory Coast, Cameroon, Philippines	Nematodes (various), Banana Weevils (<i>Cosmopolites sordidus</i>)	Few nematicides available in liquid form. Liquid applications are less susceptible to off target movement after heavy rains.			

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Terbufos	Costa Rica Honduras Guatemala Ivory Coast Cameroon Ecuador	Nematodes (<i>Radopholus similis</i> , <i>Radopholus sp.</i> , <i>Pratylenchus sp.</i> , <i>Meloidogyne sp.</i> , <i>Meloidgune sp.</i> , <i>Pratylenchus sp.</i> , <i>Helicotylenchus sp.</i>), Banana Weevils (<i>Cosmopolites sordidus</i>), Weeds (<i>Rottboellia cochinchinensis</i> , <i>Commelina diffusa</i> , <i>Bidens pilosa</i> , <i>Peperomia pellucida</i> , <i>Echinochloa colonum</i> , <i>Pityrogramma calomelanos</i> , <i>Eleusine indica</i> , <i>Cyperus luzulae</i>).	Banana	Partial approval (to all the requested countries, only some of the requested pests)	Costa Rica Honduras Guatemala Ivory Coast Cameroon Ecuador	Nematodes (<i>various</i>), banana weevil (<i>Cosmopolites sordidus</i>)	Few nematicides available.		Weeds (<i>Rottboellia cochinchinensis</i> , <i>Commelina diffusa</i> , <i>Bidens pilosa</i> , <i>Peperomia pellucida</i> , <i>Echinochloa colonum</i> , <i>Pityrogramma calomelanos</i> , <i>Eleusine indica</i> , <i>Cyperus luzulae</i>).	Nematicide not effective for weed control.
Fipronil	Malawi	Termite (<i>Isoptera</i>)	Blue Gum	Reject				Malawi	Termite (<i>Isoptera</i>)	Exceptions to Borax and Boric Acid granted. These are viable alternatives for termite control
Abamectin	Chile	Spider mite (<i>Panonychus ulmi</i> , <i>Tetanichus urticae</i>), Brown mite (<i>Bryobia rubrioculus</i>), Thrips (<i>Frankliniella occidentalis</i>), Blister mite (<i>Eriophyes erineus</i>), <i>Acatu comutus</i> , chilean false red mite (<i>Brevipalpus chilensis</i>)	Cherry	Reject				Chile	Spider mite (<i>Panonychus ulmi</i> , <i>Tetanichus urticae</i>), Brown mite (<i>Bryobia rubrioculus</i>), Thrips (<i>Frankliniella occidentalis</i>), Blister mite (<i>Eriophyes erineus</i>), <i>Acatu comutus</i> , chilean false red mite (<i>Brevipalpus chilensis</i>)	Strict MRLs. Less toxic alternatives available, including other substances with the same MoA. *Registered in Chile: Milbemectin, Spirotetramat, Acequinocyl, Bifenazate, Buprofezin, bifenthrin, fenazaquin, fenpyroximate, Chlorantraniliprole, Cyantraniliprole, Methoxyfenozide, Tebufenozide, Pyriproxyfen, Paraffin oil.

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Spirodiclofen	Chile	Red mite (<i>Oligonychus yothersi</i>), Spider mite (<i>Panonychus ulmi</i> , <i>Tetanichus urticae</i> , False red mite (<i>Brevipalpus chilensis</i>), Red mite (<i>Panonychus citri</i>), Brown mite (<i>Bryobia rubrioculus</i>)	Cherry	Reject				Chile	Red mite (<i>Oligonychus yothersi</i>), Spider mite (<i>Panonychus ulmi</i> , <i>Tetanichus urticae</i> , False red mite (<i>Brevipalpus chilensis</i>), Red mite (<i>Panonychus citri</i>), Brown mite (<i>Bryobia rubrioculus</i>)	Less toxic alternatives available, including other substances with the same MoA. *Registered in Chile: Milbemectin, Spirotetramat, Acequinocyl, Bifenazate, Buprofezin, bifenthrin, fenazaquin, fenpyroximate, Chlorantraniliprole, Cyantraniliprole, Methoxyfenozide, Tebufenozide, Pyriproxifen, Paraffin oil.
Flumioxazin	Brazil	Weeds (<i>Amaranthus hybridus</i>), Weeds (<i>Ipomoea grandifolia</i> , <i>Sida rhombifolia</i> , <i>Bidens pilosa</i> , <i>Commelina benghalensis</i> , <i>Euphorbia heterophylla</i> , <i>Portulaca oleracea</i>)	Citrus	Approve	Brazil	Weeds (<i>Amaranthus hybridus</i> , <i>Ipomoea grandifolia</i> , <i>Sida rhombifolia</i> , <i>Bidens pilosa</i> , <i>Commelina benghalensis</i> , <i>Euphorbia heterophylla</i> , <i>Portulaca oleracea</i>)	Effective herbicide for aquatic weeds and dense weeds growing in humid conditions. Allowed only for the specific listed weeds.			
Glufosinate-ammonium	Brazil	Sourgrass (<i>Digitaria insularis</i>)	Citrus	Reject				Brazil	Sourgrass (<i>Digitaria insularis</i>)	Other weed control methods available, including less toxic alternatives. Herbicides Haloxifop and Clethodim when mixed with glyphosate provide excellent control. *Registered in Brazil: Diquat, Glyphosate, Haloxifop, Clethodim
Fipronil	Brazil	Leaf cutting ants	Citrus	Approve	Brazil	Leaf cutting ants (Several species)	Leaf-cutting ants are a severe pest for citrus. Application is restricted to solid baits in ant mounds or trails. The use of liquid fipronil formulations is prohibited.			

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Sulfluramid	Brazil	Leaf cutting ants (<i>Atta spp</i> , <i>Acromyrmex spp</i>)	Citrus	Reject				Brazil	Leaf cutting ants (<i>Atta spp</i> , <i>Acromyrmex spp</i>)	Product is not registered for the requested crop, pest, or combination. Fipronil, boric acid and borax granted for ant control.
Beta-cyfluthrin	Brazil	Asian citrus psyllid (<i>Diaphorina citri</i>)	Citrus	Reject				Brazil	Asian citrus psyllid (<i>Diaphorina citri</i>)	Product is not registered for the requested crop, pest, or combination. Less toxic alternatives available, including other substances with the same MoA. Pyrethroids are generally used for knocking down of adult psyllids, but oil sprays can achieve the same effect. Growth regulators alone or in combination with oils are safer alternatives. Diflubenzuron with oil or insecticides such as Sulfoxaflor can be good alternatives. *Registered alternatives in Brazil: Acetamiprid, Acrinathrin, Bifenthrin, gamma Cyhalothrin, Cypermethrin, Deltamethrin, Diflubenprox, Esfenvalerate, Etofenprox, Fenpropathrin, Flupyradifurone, Formetanate - Hydrochloride, Lambda-cyhalothrin, Permethrin, Pyriproxyfen, Spinetoram.

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Formetanate	Brazil	Citrus rust mite (<i>Phyllocoptruta oleivora</i>), Asian citrus psyllid (<i>Diaphorina citri</i>)	Citrus	Reject				Brazil	Citrus rust mite (<i>Phyllocoptruta oleivora</i>), Asian citrus psyllid (<i>Diaphorina citri</i>)	Less toxic alternatives available, including other substances with the same MoA. *Registered in Brazil: Formetanate hydrochloride, Acephate, Diazinon, Dimethoate, Malathion, Phosmet, Chlorfenapyr, Buprofezin, Tebufenozide, Diflubenzuron, Chlorantraniliprole, Cyantraniliprole; Spinetoram, Fenpyroximate, Pyriproxyfen, Mancozeb, Chromafenozide, Lufenuron, Spirodiclofen Abamectin
Imidacloprid	Sri Lanka Brazil	Aphid (<i>Aphidoidea</i>), Asian citrus psyllid (<i>Diaphorina citri</i>), Citrus leafminer (<i>Phyllocnistis citrella</i>), Oncometopia facialis, Brown citrus aphid (<i>Toxoptera citricida</i>), Croton bug (<i>Orthezia praelonga</i>), Citrus blackfly (<i>Aleurocanthus woglumi</i>), West indian red scale (<i>Selenaspidus articulatus</i>), citrus leaf mines (<i>Phyllocnistis citrella</i>), Scale (<i>Parlatoria cinérea</i>)	Citrus	Reject				Sri Lanka Brazil	Aphid (<i>Aphidoidea</i>), Asian citrus psyllid (<i>Diaphorina citri</i>), Citrus leafminer (<i>Phyllocnistis citrella</i>), Oncometopia facialis, Brown citrus aphid (<i>Toxoptera citricida</i>), Croton bug (<i>Orthezia praelonga</i>), Citrus blackfly (<i>Aleurocanthus woglumi</i>), West indian red scale (<i>Selenaspidus articulatus</i>), citrus leaf mines (<i>Phyllocnistis citrella</i>), Scale (<i>Parlatoria cinérea</i>)	Less toxic alternatives available, including other substances with the same MoA. Insecticides in MoA 28 (Cyantraniliprole) are equally as effective as neonicotinoids for the control of sap sucking pests. Leaf miners can be effectively controlled by diflubenzuron, abamectin and spinetoram. *Registered alternatives in Brazil: Sulfoxaflor, Flupyradifurone, Chlorantraniliprole, Cyantraniliprole, diflubenzuron, abamectin, spinetoram, Buprofezin, Fenpyroximate, Pyriproxyfen, acetamiprid, Etofenprox, Spinetoram

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Thiamethoxam	Brazil	Asian citrus psyllid (<i>Diaphorina citri</i>), Citrus leafminer (<i>Phyllocnistis citrella</i>), Croton bug (<i>Orthezia praelonga</i>), Oncometopia facialis, Tropical grey chaff scale (<i>Parlatoria cinerea</i>), West indian red scale (<i>Selenaspidus articulatus</i>), Brown citrus aphid (<i>Toxoptera citricida</i>), Citrus blackfly (<i>Aleurocanthus woglumi</i>)	Citrus	Reject				Brazil	Asian citrus psyllid (<i>Diaphorina citri</i>), Citrus leafminer (<i>Phyllocnistis citrella</i>), Croton bug (<i>Orthezia praelonga</i>), Oncometopia facialis, Tropical grey chaff scale (<i>Parlatoria cinerea</i>), West indian red scale (<i>Selenaspidus articulatus</i>), Brown citrus aphid (<i>Toxoptera citricida</i>), Citrus blackfly (<i>Aleurocanthus woglumi</i>)	Less toxic alternatives available, including other substances with the same MoA. Insecticides in Group 28 are equally as effective as neonicotinoids for the control of sap sucking pests. Leaf miners can be effectively controlled by diflubenzuron, abamectin and spinetoram. *Registered in Brazil: Sulfoxaflor, Flupyradifurone, Cyantraniliprole, Chlorantraniliprole, Diflubenzuron, Abamectin, Spinetoram, Buprofezin, Fenpyroximate, Pyriproxyfen
Zeta-Cypermethrin	Brazil	Asian citrus psyllid (<i>Diaphorina citri</i>), Moth (<i>Ecdytoplopha aurantiana</i>)	Citrus	Reject				Brazil	Asian citrus psyllid (<i>Diaphorina citri</i>), Moth (<i>Ecdytoplopha aurantiana</i>)	Less toxic alternatives available, including other substances with the same MoA. Insecticides in Group 4C, 4D and 28 are safer alternatives. Registered in Brazil: Acrinathrin, Bifenthrin, Cyhalothrin- gamma, Cypermethrin, Deltamethrin, Esfenvalerate, Etofenprox, Fenpropathrin, Lambda-cyhalothrin, Permethrin, Sulfoxaflor, Flupyradifurone, Chlorantraniliprole, Cyantraniliprole, Diflubenzuron, Buprofezin, Spinetoram, Fenpyroximate, Pyriproxyfen

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Abamectin	Chile Brazil	Red spider mite (<i>Tetanichus urticae</i>), Red mite (<i>Oligonychus yothersi</i>), Citrus red mite (<i>Panonychus citri</i>), Chilean false red mite (<i>Brevipalpus chilensis</i>), citrus silver mite (<i>Polyphagotarsonemus latus</i>), Blister mite (<i>Eriophyes erineus</i>), Citrus bud mite (<i>Aceria sheldoni</i> , <i>Eryophis sheldoni</i>), Black tea thrips (<i>Heliothrips haemorrhoidalis</i>)	Citrus	Partial approval (to some of the requested countries, all the requested pests)	Brazil	Phytophagous mites (<i>Tetranychus urticae</i> , <i>Oligonychus yothersi</i> , <i>Panonychus spp.</i> , <i>Brevipalpus spp.</i> , <i>Polyphagotarsonemus latus</i> , <i>Eriophyes spp.</i> , <i>Aceria sheldoni</i> , <i>Bryobia rubrioculus</i> , <i>Phyllocoptruta oleivora</i>), citrus leafminer (<i>Phyllocnistis citrella</i>), Black tea thrips (<i>Heliothrips haemorrhoidalis</i>)	Contact acaricide/insecticide with proven efficacy on various pests. Can be used as part of a multi-pest control strategy	Chile		Product is not registered for the request crop/pest or combination
Spirodiclofen	Chile Brazil	Red mite (<i>Oligonychus yothersi</i>), Red spider (<i>Tetanichus urticae</i>), European red spider mite (<i>Panonychus ulmi</i>), Chilean false red mite (<i>Brevipalpus chilensis</i>), Brown mite (<i>Bryobia rubrioculus</i>), Citrus red mite (<i>Panonychus citri</i>), false spider (<i>Brevipalpus yothersi</i>), Citrus rust mite (<i>Phyllocoptruta oleivora</i>),	Citrus	Reject				Chile Brazil	Red mite (<i>Oligonychus yothersi</i>), Red spider (<i>Tetanichus urticae</i>), European red spider mite (<i>Panonychus ulmi</i>), Chilean false red mite (<i>Brevipalpus chilensis</i>), Brown mite (<i>Bryobia rubrioculus</i>), Citrus red mite (<i>Panonychus citri</i>), false spider (<i>Brevipalpus yothersi</i>), Citrus rust mite (<i>Phyllocoptruta oleivora</i>),	Exception to abamectin granted. Less toxic alternatives available, including other substances with the same MoA. Insecticides in Group 10 (Hexythiazox), 15 (Diflubenzuron), 21 (Pyridaben) are other effective alternatives. *Registered in Chile: Spirotetramat, Pyridaben, Fenazaquin, Fenpyroximate, Acequinocyl, Bifenazate, Buprofezin, Pyriproxyfen; , Milbemectin, Paraffin oil. *Registered in Brazil: Diflubenzuron, Hexythiazox, Pyridaben, Spiromesifen, Chlorfenapyr, Buprofezin, Tebufenozide

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Thiamethoxam	Ivory Coast Ghana	Cocoa capsid (<i>Distantiella theobroma</i>), Mirids (<i>Sahlbergella singularis</i>), Cocoa shield bug (<i>Helopeltis spp/ Bathycoeia thalassina</i>)	Cocoa	Partial approval (to all the requested countries, only some of the requested pests)	Ivory Coast Ghana	Cocoa capsid (<i>Distantiella theobroma</i>), Mirids (<i>Sahlbergella singularis</i>)	The use of Thiamethoxam appears as the only alternative as its systemic effect ensures that the pest is efficiently killed before causing damage.		Cocoa shield bugs (<i>Helopeltis spp/ Bathycoeia thalassina</i>)	Cocoa shield bugs should first be managed by good shade management, agroforestry, and a good scouting program. Less toxic alternatives available. *Registered in Ivory Coast: Bifenthrin, Cypermethrin, Sulfoxaflor *Registered in Ghana: Bifenthrin, Cypermethrin, Sulfoxaflor, Etofenprox
Glufosinate-ammonium	Costa Rica Colombia	Weeds	Coffee	Reject				Costa Rica Colombia	Weeds	Other weed control methods available (mechanical weeding, use of cover crops, etc.), including less toxic alternatives. *Registered in Costa Rica: Carfentrazone-ethyl, Glyphosate, Diuron, Metsulfuron-methyl, Oxyfluorfen, Oxadiargyl, 2,4-D, Clethodim, Diquat, Napropamide, Oxadiargyl, Oxyfluorfen, Simazine, Terbutylazine *Registered in Colombia: Diuron, Glyphosate, Pendimethalin, 2,4-D, Metsulfuron-methyl, Saflufenacil, Bensulfuron-M, Oxyfluorfen, Ametryn, MSMA, Diquat, Pendimethalin, Fluazifop-P-B, Flumioxazin, Haloxyfop-P-M, Linuron

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Carbendazim	Colombia Costa Rica	Coffee leaf rust (<i>Hemileia vastatrix</i>), Anthracnose (<i>Colletotrichum</i> spp.), Phoma spp, Ceratocystis blight (<i>Ceratocystis fimbriata sensu lato</i>), Black root rot (<i>Rosellinia</i> spp)	Coffee	Reject				Colombia Costa Rica	Coffee leaf rust (<i>Hemileia vastatrix</i>), Anthracnose (<i>Colletotrichum</i> spp.), Phoma spp, Ceratocystis blight (<i>Ceratocystis fimbriata sensu lato</i>), Black root rot (<i>Rosellinia</i> spp)	Other less toxic alternatives available from the strobilurin and triazole family. *Registered in Colombia: Flutriafol, Hexaconazole, Mefentrifluconazole, Metconazole, Tebuconazole, Tetraconazole, Triadimefon, Triforine, Azoxystrobin, Fluoxastrobin, Kresoxim-methyl, Picoxystrobin, Pyraclostrobin, Trifloxystrobin, Copper - hydroxide, Copper - oxide, Copper oxychloride, Difeconazole, Oxycarboxin, Sulphur *Registered in Costa Rica: azoxystrobin, cyproconazole, epoxiconazole, hexaconazole, tebuconazole, triadimefon, COPPER-AMMONIUM-COMPLEX, Copper - hydroxide, Copper - oxide, Copper oxychloride, Copper - oleate, Copper - Sulfate - Dibasic, Copper, Difeconazole, Mancozeb
Chlorothalonil	Malawi	Coffee berry disease (<i>Colletotrichum kahawae</i>)	Coffee	Reject				Malawi	Coffee berry disease (<i>Colletotrichum kahawae</i>)	Coffee berry disease resistant varieties available. Strict EU MRLs. Other less toxic alternatives available, including other multi-site fungicides.

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Cyproconazole	Colombia Costa Rica Guatemala Brazil Nicaragua Dominican Republic Honduras Panama El Salvador	Coffee leaf rust (<i>Hemileia vastatrix</i>), Scales (<i>Dysmicoccus sp.</i>), Rhizoeus coffeae, Pink disease (<i>Erythricium salmonicolor</i>), Brown eye spot (<i>Cercospora coffeicola</i>), Scale insects (<i>Puto barberi</i>), American leaf spot of coffee (<i>Mycena citricolor</i>), Anthracnose, Phanerochaete salmonicolor (<i>Corticium salmonicolor</i>), Thread blight Mealybugs	Coffee	Partial approval (to all the requested countries, only some of the requested pests)	Colombia Costa Rica Guatemala Brazil Nicaragua Dominican Republic Honduras Panama El Salvador	Coffee leaf rust (<i>Hemileia vastatrix</i>), Anthracnose (<i>Colletotrichum spp.</i>), American Leaf Spot (<i>Mycena Citricolor</i>), Brown eye spot (<i>Cercospora coffeicola</i>), Pink disease (<i>Erythricium salmonicolor</i>), Thread blight (<i>Corticium spp.</i>)	Triazole with high efficacy. More than one a.i. of this MoA should be available as a tool to ensure availability from suppliers, necessary inventories for use, and economics for the growers.		Insects	Fungicide not effective for pest control
Epoxiconazole	Costa Rica Brazil	Coffee leaf rust (<i>Hemileia vastatrix</i>), Anthracnose (<i>Colletotrichum spp.</i>), American Leaf Spot (<i>Mycena Citricolor</i>), Brown eye spot (<i>Cercospora coffeicola</i>)	Coffee	Approve	Costa Rica Brazil	Coffee leaf rust (<i>Hemileia vastatrix</i>), Anthracnose (<i>Colletotrichum spp.</i>), American Leaf Spot (<i>Mycena Citricolor</i>), Brown eye spot (<i>Cercospora coffeicola</i>)	Triazole with high efficacy. More than one a.i. of this MoA should be available as a tool to ensure availability from suppliers, necessary inventories for use, and economics for the growers.			
Propiconazol	Brazil Costa Rica India	Coffee leaf rust (<i>Hemileia vastatrix</i>)	Coffee	Reject				Brazil Costa Rica India	Coffee leaf rust (<i>Hemileia vastatrix</i>)	Exceptions to Epoxiconazole and Cyproconazole granted. Other less toxic triazoles available for coffee leaf rust control. *Registered in Brazil: tebuconazole, metconazole, tetraconazole, fluquinconazole *Registered in Costa Rica: triadimefon, difenoconazole, hexaconazole, tebuconazole

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Triadimenol	Nicaragua Costa Rica Brazil	Coffee leaf rust (<i>Hemileia vastatrix</i>), American Leaf Spot (<i>Mycena Citricolor</i>), Scarab beetles (<i>Phyllophaga spp</i>), Mealybug (<i>Planococcus lilacinus</i>)	Coffee	Reject				Nicaragua Costa Rica Brazil	Coffee leaf rust (<i>Hemileia vastatrix</i>), American Leaf Spot (<i>Mycena Citricolor</i>), Scarab beetles (<i>Phyllophaga spp</i>), Mealybug (<i>Planococcus lilacinus</i>)	Exceptions to Epoxiconazole and Cyproconazole granted. Other less toxic triazoles available for coffee leaf rust control. *Registered in Brazil: tebuconazole, metconazole, tetraconazole, fluquinconazole *Registered in Costa Rica: triadimefon, difenoconazole, hexaconazole, tebuconazole
Fipronil	Malawi Brazil	Pine Leaf cutting ant (<i>Atta laevigata</i>), Termites (<i>Isoptera</i>)	Coffee	Reject				Malawi Brazil	Pine Leaf cutting ant (<i>Atta laevigata</i>), Termites (<i>Isoptera</i>)	Exceptions to boric acid and borax for ants and termite control granted. Fipronil is highly toxic. Alternative control methods can be developed and deployed.
Chlorpyrifos	Malawi India Colombia Costa Rica Brazil	Coffee mealybug (<i>Pseudococcidae</i> , <i>Planococcus lilacinus</i>), White stem borer (<i>Xylotrechus quadripes</i>), Coffee Borer Beetle (<i>Hypotenemus hampei</i>), Yellow Crazy ant (<i>Anoplolepis gracilipes</i>), Scale insects (<i>Puto barberi</i>), Coffee mealybug (<i>Pseudococcus spp.</i>), Scales (<i>Dysmicoccus sp</i>), Coffee Borer Beetle (<i>Hypotenemus hampei</i>), Coffee Leaf Miner (<i>Leucoptera coffeella</i>), <i>Neochavesis caldasia</i>	Coffee	Reject				Malawi India Colombia Costa Rica Brazil	Coffee mealybug, White stem borer (<i>Xylotrechus quadripes</i>), Yellow Crazy ant (<i>Anoplolepis gracilipes</i>), Scale insects (<i>Puto barberi</i>), Coffee mealybug (<i>Pseudococcus spp.</i>), Scales (<i>Dysmicoccus sp</i>), Coffee Berry Borer (<i>Hypotenemus hampei</i>), Coffee Leaf Miner (<i>Leucoptera coffeella</i>), <i>Neochavesis caldasia</i>	India: Product is not registered for the requested crop, pest, or combination. Malawi, Colombia, Costa Rica, Brazil: Strict EU MRLs. Other less toxic alternatives available, including substances from the same MoA. Insecticides in Group 28 are other alternatives. *Registered in Colombia: Cyantraniliprole, Dimethoate, Fenitrothion, Malathion, Phenthoate, Broflanilide, Lufenuron, Novaluron *Registered in Brazil: Malathion, Profenofos, Cyantraniliprole, Teflubenzuron, Indoxacarbe, Acetamiprid, Bifenthrin, Etofenprox, Novaluron, Metaflumizone, Spinosad *Registered in Costa Rica: Diazinon, Dimethoate, Disulfoton, Novaluron

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Imidacloprid	Malawi Brazil Costa Rica	Antestia bug (<i>Antestiopsis</i>), Coffee leaf rust (<i>Hemileia vastatrix</i>), Coffee Borer Beetle (<i>Hypotenemus hampei</i>)	Coffee	Partial approval (to some of the requested countries, some of the requested pests)	Costa Rica	Coffee Berry Borer (<i>Hypotenemus hampei</i>)	Few available alternatives for CBB Control	Malawi Brazil	Antestia bug (<i>Antestiopsis</i>), Coffee leaf rust (<i>Hemileia vastatrix</i>), Coffee Berry Borer (<i>Hypotenemus hampei</i>)	Other less toxic alternatives available for CBB Control, including other substances with the same MoA. *Registered in Brazil: Acetamiprid, Dinotefuran, Flupyradifurone, Cypermethrin, Cyantraniliprole, Novaluron, Etofenoprox, Spinosad
Thiamethoxam	Colombia Peru Guatemala Brazil El Salvador Honduras Panama Nicaragua Tanzania Zambia	Coffee leaf rust (<i>Hemileia vastatrix</i>), Scales (<i>Dysmicoccus brevipes</i> , <i>Puto barberi</i> , <i>Neochavesia caldasiae</i>), Mealybug (<i>Rhizoecus coffeae</i> , <i>Rhizoecus</i> sp) Nematodes (<i>Meloidogyne exigua</i>), Coffee Borer Beetle (<i>Hypotenemus hampei</i>), Coffee leaf miner (<i>Leucoptera coffeella</i>), Oncometopia facialis, Giant cicada (<i>Quesada gigas</i>), Mealybug (<i>Dysmicoccus texensis</i>)	Coffee	Partial approval (to all the requested countries, only some of the requested pests)	Colombia Peru Guatemala Brazil El Salvador Honduras Panama Nicaragua	Scales (<i>Dysmicoccus brevipes</i> , <i>Puto barberi</i>), Mealybugs (<i>Planococcus lilacinus</i> , <i>Pseudococcus</i> spp., <i>Dysmicoccus</i> sp., <i>Neochavesia caldasiae</i>), Coffee berry borer (<i>Hypothenemus hampei</i>), Coffee Leaf Miner (<i>Leucoptera coffeella</i>), Giant cicada (<i>Quesada gigas</i>), nematodes (various)	Highly effective systemic insecticide that when applied to the soil (i.e. drenching) can give sustained control of many plant-eating insects.		Coffee leaf rust (<i>Hemileia vastatrix</i>)	Thiamethoxam not effective against fungal diseases
Abamectin	Colombia Guatemala Brazil Honduras El Salvador Panama Nicaragua Tanzania Zambia	Spider mite (<i>Tetranychidae</i>), Nematodes (<i>Meloidogyne exigua</i>), Southern red mite (<i>Oligonychus ilicis</i>), Coffee Leaf Miner (<i>Leucoptera coffeella</i>), CBB (<i>Hypotenemus hampei</i>), False Spider Mite	Coffee	Partial approval (to all the requested countries, only some of the requested pests)	Colombia Guatemala Brazil Honduras El Salvador Panama Nicaragua	Leaf miner (<i>Leucoptera coffeella</i>), Mites (<i>Tetranychus urticae</i> , <i>Oligonychus ilicis</i> , <i>Brevipalpus phoenicis</i>), nematodes (various)	Contact acaricide/insecticide with proven efficacy on various pests. Can be used as part of a multi-pest control strategy		Coffee Berry Borer (<i>Hypotenemus hampei</i>)	Other less toxic alternatives available for CBB control. Including MoA 28, Novaluron, Acetamiprid

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Cadusafos	Guatemala Costa Rica Nicaragua	Nematodes (<i>Meloidogyne sp.</i> , <i>Pratylenchus sp.</i>), Coffee root mealybug (<i>Geococcus coffea</i>)	Coffee	Reject				Guatemala Costa Rica Nicaragua	Nematodes (<i>Meloidogyne sp.</i> , <i>Pratylenchus sp.</i>), Coffee root mealybug (<i>Geococcus coffea</i>)	Nematodes in coffee are a limited problem. Good management prevents this issue and there are resistant plant varieties. Request was made by an agrochemical company.
Brodifacoum - Pellet formulation	Colombia Ecuador	Rodents (<i>Rattus norvegicus</i> , <i>Rattus</i> , <i>Mus musculus</i>)	Flowers and ornamentals	Reject				Colombia Ecuador	Rodents (<i>Rattus norvegicus</i> , <i>Rattus rattus</i> , <i>Mus musculus</i>)	Baited traps are a safer option for rodent control in facilities
Magnesium phosphide	Colombia	Thrips (<i>Frankliniella occidentalis</i>),	Flowers and ornamentals	Approve	All countries	Thrips (<i>Frankliniella spp.</i> , <i>Thrips sp.</i>)	Few alternatives available for pest control in storage			
Phosphine	Colombia	Thrips (<i>Frankliniella occidentalis</i>)	Flowers and ornamentals	Approve	All countries	Thrips (<i>Frankliniella spp.</i> , <i>Thrips sp.</i>)	Few alternatives available for pest control in storage			
Benomyl	Costa Rica	Noble rot fungus (<i>Botritis cinerea</i>), <i>Fusarium sp.</i>	Flowers and ornamentals	Reject				Costa Rica	Noble rot fungus (<i>Botritis cinerea</i>), <i>Fusarium sp.</i>	Less toxic alternatives available, including other substances with the same MoA. *Registered in Costa Rica: Thiabendazole, Thiophanate-methyl, Mancozeb, Copper-Oxychloride, Propamocarb-HCL, Etridiazole, Quintozene, Captan, Ferbam, Myclobutanil
Carbendazim	Colombia Costa Rica	Wilt (<i>Fusarium oxysporum</i>)	Flowers and ornamentals	Reject				Colombia Costa Rica	Wilt (<i>Fusarium oxysporum</i>)	Less toxic alternatives available, including other substances with the same MoA. *Registered in Costa Rica: Thiabendazole, Thiophanate-methyl, Folpet *Registered in Colombia: Thiabendazole, Thiophanate-methyl

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Chlorothalonil	Mexico Ecuador Colombia	Fungus (<i>Botrytis</i> sp, <i>Podosphaera sparsa</i> , <i>Phragmidium mucronatum</i> , <i>Cladosporium echinulatum</i>), Stemphyllium sp, Downy mildew (<i>Peronospora sparsa</i>), White rust (<i>Puccinia Oriana</i> , <i>Puccinia horiana Henn</i>), Damping off (<i>Pythium</i> sp), Late Bight fungus (<i>Phytophora infestans</i>)	Flowers and ornament als	Reject				Mexico Ecuador Colombia	Fungus (<i>Botrytis</i> sp, <i>Podosphaera sparsa</i> , <i>Phragmidium mucronatum</i> , <i>Cladosporium echinulatum</i>), <i>Stemphyllium</i> sp, Downy mildew (<i>Peronospora sparsa</i>), White rust (<i>Puccinia Oriana</i> , <i>Puccinia horiana Henn</i>), Damping off (<i>Pythium</i> sp), Late Bight fungus (<i>Phytophora infestans</i>)	Less toxic alternatives available, including other multi-site fungicides. *Registered in Mexico: Captan, Thiram, Sulphur, mancozeb, copper (different salts), folpet, Bordeaux-mixture, Fosetyl-AL, Thiophanate-M. *Registered in Ecuador: Captan, copper (different salts), Folpet, Iminoctadine tris (albesilate), Lime sulphur, Mancozeb, Metiram, Sulfur, Thiram. *Registered in Colombia: Captan, Folpet, Iminoctadine tris (albesilate), Mancozeb, Metiram, Potassium hydrogen carbonate, Propineb, Lime sulphur, Thiram, copper (different salts), Sulfur
Cyproconazole	Mexico	White rust (<i>Puccinia horiana Henn</i>)	Flowers and ornament als	Reject				Mexico	White rust (<i>Puccinia horiana Henn</i>)	Less toxic alternatives available, including other substances with the same MoA. *Registered for Mexico: Difenoconazole, flutriafol, hexaconazole, penconazole, triadimefon, tebuconazole, Oxycarboxin
Propiconazol	Mexico Colombia	Rose rust (<i>Phragmidium mucronatum</i>), white rust (<i>Puccinia horiana</i>), Stemphyllium sp, Powdery mildew (<i>Podosphaera pannosa</i>)	Flowers and ornament als	Reject				Mexico Colombia	Rose rust (<i>Phragmidium mucronatum</i>), white rust (<i>Puccinia horiana</i>), Stemphyllium sp, Powdery mildew (<i>Podosphaera pannosa</i>)	Less toxic alternatives available, including other substances with the same MoA. *Registered for Mexico: Difenoconazole, flutriafol, hexaconazole, penconazole, triadimefon, tebuconazole, Oxycarboxin *Registered in Colombia: Difenoconazole, Flutriafol, Hexaconazole, Penconazole, Tebuconazole, Tetraconazole, Triadimefon

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Triadimenol	Colombia	Fungus (<i>Botrytis</i> sp.), Powdery mildew (<i>Podosphaera pannosa</i>), Rose rust (<i>Phragmidium mucronatum</i>), <i>Stemphyllium</i> sp.	Flowers and ornament als	Reject				Colombia	Fungus (<i>Botrytis</i> sp.), Powdery mildew (<i>Podosphaera pannosa</i>), Rose rust (<i>Phragmidium mucronatum</i>), <i>Stemphyllium</i> sp.	Less toxic alternatives available, including other substances with the same MoA. *Registered in Colombia: Difenoconazole, Flutriafol, Hexaconazole, Myclobutanil, Penconazole, Prochloraz, Tebuconazole, Tetraconazole, Triadimefon, Triforine, Mancozeb
Iprodione	Colombia Ecuador Mexico	Fungus (<i>Botrytis</i> sp, <i>Botrytis cinerea</i> , <i>Stemphyllium</i> sp.), Stem rot (<i>Sclerotinia</i> sp), Wilt (<i>Fusarium oxysporum</i>), Sooty mould (<i>Capnodium</i> sp)	Flowers and ornament als	Reject				Colombia Ecuador Mexico	Fungus (<i>Botrytis</i> sp, <i>Botrytis cinerea</i> , <i>Stemphyllium</i> sp.), Stem rot (<i>Sclerotinia</i> sp), Wilt (<i>Fusarium oxysporum</i>), Sooty mould (<i>Capnodium</i> sp)	Common resistance for <i>Botrytis</i> . Less toxic alternatives available, including substances from the same MoA. *Registered in Colombia: Procymidone, Mancozeb *Registered in Ecuador: Procymidone *Registered for Mexico: Anilazine, Difenoconazole, flutriafol, hexaconazole, penconazole, triadimefon, tebuconazole, Captan, Thiram, sulphur, mancozeb, copper (different salts), folpet, Carbendazim, Fludioxonil, Cyprodinil, kresoxim-methyl, thiophanate-methyl
Chlorpyrifos	Mexico Colombia	Thrips (<i>Frankliennella occidentalis</i>), Symphylan (<i>Scutigera inmaculata</i>), Copitarsia sp, Serpentine miner (<i>L. trifolii</i>), Scarab beetle (<i>Phyllophaga</i> sp), Dark winged fungus (<i>Sciaridae</i> sp), leaf miner (<i>L. huidobrensis</i>)	Flowers and ornament als	Reject				Mexico Colombia	Thrips (<i>Frankliennella occidentalis</i>), Symphylan (<i>Scutigera inmaculata</i>), Copitarsia sp, Serpentine miner (<i>L. trifolii</i>), Scarab beetle (<i>Phyllophaga</i> sp), Dark winged fungus (<i>Sciaridae</i> sp), leaf miner (<i>L. huidobrensis</i>)	Less toxic alternatives available, including other substances with the same MoA. *Registered in Colombia: Spinetoram, Spinosad, Chlorfenapyr, Bifenthrin, Cyhalothrin, Pyriproxyfen, Clofentezine, Acephate, Malathion, Acetamiprid, Cyclaniliprole, Pyrimidifen, Cyenopyrafen *Registered in Mexico: Spinetoram, Azadirachtin, Bifenthrin, Cyhalothrin, Pyriproxyfen, Clofentezine, Malathion, Dimethoate, Naled, Diazinon

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Fipronil	Mexico Ecuador Costa Rica Colombia	Thrips (<i>Frankliniella occidentalis</i>), Serpentine miner (<i>L. trifolii</i>), Leaf miner (<i>L. huidobrensis</i>), Copitarsia sp	Flowers and ornament als	Partial approval (to some of the requested countries, all the requested pests)	Costa Rica	Thrips (<i>Frankliniella</i> spp., <i>Thrips</i> sp.), Leafminers (<i>Liriomyza</i> spp.), Copitarsia moths (<i>Copitarsia</i> spp.)	Few MoA registered.	Mexico Ecuador Colombia	Thrips (<i>Frankliniella</i> spp., <i>Thrips</i> sp.), Leafminers (<i>Liriomyza</i> spp.), Copitarsia moths (<i>Copitarsia</i> spp.)	Less toxic alternatives available. *Registered in Colombia: Spinetoram, Spinosad, Chlorfenapyr, Bifenthrin, Cyhalothrin, Pyriproxyfen, Clofentezine, Acephate, Malathion, Acetamiprid, Cyclaniliprole, Pyrimidifen, Cyenopyrafen *Registered in Ecuador: Spinosad, Azadirachtin, Chlorfenapyr, Bifenthrin, Cyhalothrin, Pyriproxyfen, Clofentezine *Registered in Mexico: Spinetoram, Azadirachtin, Bifenthrin, Cyhalothrin, Pyriproxyfen, Clofentezine, Malathion, Dimethoate, Naled, Diazinon
Imidacloprid	Mexico Colombia Ecuador Costa Rica	Thrips (<i>Frankliniella occidentalis</i>), Whitefly (<i>Trialeurodes</i> sp, <i>Bemisia tabaci</i>), Aphid (<i>Myzus</i> sp, <i>Macrosiphum rosae</i>), Symphylan (<i>Scutigerella immaculata</i>), Dark winged fungus (<i>Sciaridae</i> sp)	Flowers and ornament als	Reject				Mexico Colombia Ecuador Costa Rica	Thrips (<i>Frankliniella occidentalis</i>), Whitefly (<i>Trialeurodes</i> sp, <i>Bemisia tabaci</i>), Aphid (<i>Myzus</i> sp, <i>Macrosiphum rosae</i>), Symphylan (<i>Scutigerella immaculata</i>), Dark winged fungus (<i>Sciaridae</i> sp)	Less toxic alternatives available, including other substances with the same MoA. *Registered in Colombia: Dimethoate, Malathion, Acephate, Acetamiprid, Spinetoram, Cyclaniliprole, Pyrimidifen, Cyenopyrafen *Registered in Mexico: Malathion, Dimethoate, Acetamiprid, Spinetoram, Pyriproxyfen, flonicamid, naled, Azadirachtin, Diazinon *Registered in Costa Rica: Acephate, Diazinon, Dimethoate, Prothiofos, Cyromazine, abamectin, amitraz, Fluvalinate *Registered in Ecuador: Acephate, Diazinon, Dimethoate, Malathion, Pyriproxyfen, Acetamiprid, Dinotefuram, Nitenpyram, Thiacloprid, Thiocyclam, Spinosad, Fenpyroximate, Pyridaben, Pyrimidifen

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Methiocarb	Ecuador	Thrips (<i>Frankliennella occidentalis</i>)	Flowers and ornamentals	Reject				Ecuador	Thrips (<i>Frankliennella occidentalis</i>)	Abamectin and thiamethoxam granted; Less toxic alternatives available, including other substances with the same MoA. Registered in Ecuador: Benfuracarb, Acephate, Diazinon, Dimethoate, Malathion, Pyriproxyfen, Acetamiprid, Thiocyclam, cypermethrin
Methomyl	Colombia	Thrips (<i>Frankliennella occidentalis</i> , <i>Thrips sp</i>), Aphid (<i>Myzus sp</i>), Greenhouse whitefly (<i>Trialeurodes sp.</i>)	Flowers and ornamentals	Reject				Colombia	Thrips (<i>Frankliennella occidentalis</i> , <i>Thrips sp</i>), Aphid (<i>Myzus sp</i>), Greenhouse whitefly (<i>Trialeurodes sp.</i>)	Less toxic alternatives available, including other substances with the same MoA. *Registered in Colombia: Dimethoate, Malathion, Acephate, Acetamiprid, Spinetoram, Cyflupirrole, Pyrimidifen, Cyenopyrafen
Oxamyl	Costa Rica Mexico	Thrips (<i>Frankliennella occidentalis</i>), Aphid (<i>Myzus sp</i>), Greenhouse whitefly (<i>Trialeurodes sp.</i>), Leaf miner (<i>Liriomiza sp</i>) Red spider mite (<i>Tetranychus sp</i>)	Flowers and ornamentals	Reject				Costa Rica Mexico	Thrips (<i>Frankliennella occidentalis</i>), Aphid (<i>Myzus sp</i>), Greenhouse whitefly (<i>Trialeurodes sp.</i>), Leaf miner (<i>Liriomiza sp</i>), Red spider mite (<i>Tetranychus sp</i>)	Mexico: Reject - Product is not registered for the requested crop, pest or combination. Costa Rica: Reject - Exception to fipronil granted. Less toxic alternatives available, including other substances with the same MoA. *Registered in Costa Rica: Acephate, Diazinon, Dimethoate, Prothiofos, Cyromazine, abamectin, amitraz, Fluralinate

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Thiamethoxam	Mexico Costa Rica Ecuador Colombia	Thrips (<i>Frankliniella occidentalis</i>), Aphid (<i>Macrosiphum euphorbiae</i> , <i>Myzus sp.</i> , <i>Myzus persicae</i>), Greenhouse whitefly (<i>Trialeurodes sp.</i>)	Flowers and ornamentals	Reject				Mexico Costa Rica Ecuador Colombia	Thrips (<i>Frankliniella occidentalis</i>), Aphid (<i>Macrosiphum euphorbiae</i> , <i>Myzus sp.</i> , <i>Myzus persicae</i>), Greenhouse whitefly (<i>Trialeurodes sp.</i>)	Costa Rica: Product is not registered for the requested crop/pest or combination Other countries: Less toxic alternatives available. *Registered in Colombia: Dimethoate, Malathion, Acephate, Acetamiprid, Spinetoram, Cyflumetofen, Pyrimidifen, Cyenopyrafen *Registered in Ecuador: Acephate, Diazinon, Dimethoate, Malathion, Pyriproxyfen, Acetamiprid, Dinotefuram, Nitenpyram, Thiacloprid, Thiocyclam, Spinosad, Fenpyroximate, Pyridaben, Pyrimidifen *Registered in Mexico: Malathion, Dimethoate, Acetamiprid, Spinetoram, Pyriproxyfen, flonicamid, naled, Azadirachtin, Diazinon
Abamectin	Colombia Ecuador Mexico	Carmine spider mite (<i>Tetranychus cinnabarinus</i>), Spider Mite (<i>Tetranychus urticae</i> , <i>T. cinnabarinus</i>) Leaf miner (<i>Liriomyza sp.</i> , <i>L. trifolii</i> , <i>L. huidobrensis</i>), Nematodes (<i>Meloidogyne sp.</i> , <i>Pratylenchus sp.</i> , <i>Paratylenchus sp.</i>), Thrips (<i>Frankliniella sp.</i>)	Flowers and ornamentals	Approve	Colombia Ecuador Mexico	Mites (<i>Tetranychus spp.</i>), Leafminer (<i>Liriomyza spp.</i>), Thrips (<i>Frankliniella spp.</i> , <i>Thrips sp.</i>), Nematodes (various)	Contact acaricide/insecticide with proven efficacy on various pests. Can be used as part of a multi-pest control strategy			
Spirodiclofen	Colombia	Carmine spider mite (<i>Tetranychus cinnabarinus</i>)	Flowers and ornamentals	Reject				Colombia	Carmine spider mite (<i>Tetranychus cinnabarinus</i>)	Exception granted to Abamectin; Less toxic alternatives available, including other substances with the same MoA. *Registered in Colombia: Spirotetramat, Spiromesifen, Clofentezine, Etoxazole, Acequinocyl, Bifenazate, Pyrimidifen, Cyflumetofen, Pyriproxyfen

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Fenamiphos	Mexico	Nematodes (<i>Meloidogyne sp.</i> , <i>Ditylenchus destructor</i>)	Flowers and ornamentals	Reject				Mexico	Nematodes (various)	Sender didn't provide enough information to prove real need.
Abamectin	Chile	Chilean false red mite (<i>Brevipalpus chilensis</i>)	Grapes	Reject				Chile	Chilean false red mite (<i>Brevipalpus chilensis</i>)	Less toxic alternatives available, including other substances with the same MoA. Registered in Chile: Etoxazole, Buprofezin, Methoxyfenozide, Tebufenozide, Acequinocyl, Indoxacarb, Spirotetramat, Chlorantraniliprole, Cyantraniliprole, Milbemectin, Paraffin oil, Azadirachtin, Orange oil, Oil of linseed, Oil of mustard seeds
Spirodiclofen	Chile	Chilean false red mite (<i>Brevipalpus chilensis</i>)	Grapes	Reject				Chile	Chilean false red mite (<i>Brevipalpus chilensis</i>)	Product is not registered for the requested crop, pest or combination; Less toxic alternatives available, including other substances with the same MoA. *Registered in Chile: Etoxazole, Buprofezin, Methoxyfenozide, Tebufenozide, Acequinocyl, Indoxacarb, Spirotetramat, Chlorantraniliprole, Cyantraniliprole, Milbemectin, Paraffin oil, Azadirachtin
Aluminium phosphide	All countries	Several	Herbs and Spices	Approve	All countries		Few alternatives available for pest control in storage			
Magnesium phosphide	All countries	Several	Herbs and Spices	Approve	All countries		Few alternatives available for pest control in storage			
Phosphine	All countries	Several	Herbs and Spices	Approve	All countries		Few alternatives available for pest control in storage			
Fipronil	Malawi	Termites (<i>Isoptera</i>)	Macadamia	Reject				Malawi	Termite (<i>Isoptera</i>)	Exceptions to Borax and Boric Acid granted. These are viable alternatives for termite control

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Chlorpyrifos	Malawi	Mealybug (<i>Pseudococcidae</i>)	Macadamia	Reject				Malawi	Mealybugs	Product is not registered for the requested crop, pest or combination
Imidacloprid	Malawi	Koa seedworm or nut borer (<i>Cryptophlebia illepidia</i>), Stink bug (<i>Pentatomidae</i>)	Macadamia	Reject				Malawi	Koa seedworm or nut borer (<i>Cryptophlebia illepidia</i>), Stink bug (<i>Pentatomidae</i>)	Product is not registered for the requested crop, pest or combination
Abamectin	Malawi	Red spider mite (<i>Tetranychus urticae</i>)	Macadamia	Reject				Malawi	Red spider mite (<i>Tetranychus urticae</i>)	Product is not registered for the requested crop, pest or combination
Benomyl	Costa Rica	Scab (<i>Cladosporium carpophilum</i>)	Mango	Reject				Costa Rica	Scab (<i>Cladosporium carpophilum</i>)	Less toxic alternatives available, including other substances with the same MoA. *Registered in Costa Rica: Prochloraz, copper (different salts), Sulphur, Mancozeb, Thiabendazole, Captan, Pyraclostrobin

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Chlorothalonil	Costa Rica	Anthraco nose (<i>Colletotrichum gloeosporioides</i>)	Mango	Reject				Costa Rica	Anthraco nose (<i>Colletotrichum gloeosporioides</i>)	Less toxic alternatives available, including other multi-site fungicide. *Registered in Costa Rica: copper (different salts), Sulphur, Mancozeb, Captan, Bordeaux mixture
Cyproconazole	Peru	Powdery mildew (<i>Oidium manguiiferae</i>)	Mango	Reject				Peru	Powdery mildew (<i>Oidium manguiiferae</i>)	Less toxic alternatives available, including other substances with the same MoA. *Registered in Peru: Azoxystrobin, Bacillus subtilis, Bacillus amyloliquefaciens, Bacillus pumilus, boscalid, bromuconazole, bupirimate, difenoconazole, diniconazole, kresoxim methyl, mancozeb, marjoram (orégano) extract, penconazole, pyraclostrobin, sulphur, tebuconazole, tetraethyl silicate, thiabendazole, Trichoderma harzianum, Trichoderma koningii, trifloxystrobin, Bromuconazole, Difenoconazole
Triadimenol	Peru	Powdery mildew (<i>Oidium manguiiferae</i>)	Mango	Reject				Peru	Powdery mildew (<i>Oidium manguiiferae</i>)	Less toxic alternatives available, including other substances with the same MoA. *Registered in Peru: bromuconazole, difenoconazole, diniconazole, penconazole, tebuconazole
Fipronil	Peru	Redbanded thrips (<i>Selenothrips rubrocinctus</i>)	Mango	Reject				Peru	Redbanded thrips (<i>Selenothrips rubrocinctus</i>)	Rainforest Alliance's policy to not allow applications of fipronil liquid formulations in open fields.
Imidacloprid	Peru	Pyri form scale (<i>Protopulvinaria pyriformis</i>)	Mango	Reject				Peru	Pyri form scale (<i>Protopulvinaria pyriformis</i>)	Less toxic alternatives available, including the use of oils. *Registered in Peru: Pyriproxifen, Buprofezin

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Chlorothalonil	Costa Rica	Fungus (<i>Colletotrichum lagenarium</i> , <i>Pseudoperonospra cubensis</i> , <i>Alternaria spp.</i> , <i>Spaferoteca fungilinea</i> , <i>Mycosharella melonis</i> , <i>Rhizoctonia solani</i>)	Melon	Reject				Costa Rica	Fungus (<i>Colletotrichum lagenarium</i> , <i>Pseudoperonos pra cubensis</i> , <i>Alternaria spp.</i> , <i>Spaferoteca fungilinea</i> , <i>Mycosharella melonis</i> , <i>Rhizoctonia solani</i>)	Less toxic alternatives available, including other multi-site fungicides. *Registered in Costa Rica: Maneb, captan, zineb, ziram, pper (different salts), mancozeb, sulphur, metiram, ferbam, folpet, propineb
Propiconazol	Costa Rica	Fungus (<i>Cercospora</i>)	Melon	Reject				Costa Rica	Fungus (<i>Cercospora</i>)	Product is not registered for the requested crop, pest or combination
Beta-cyfluthrin	Mexico	Aphid (<i>Aphisgossypii</i>)	Melon	Reject				Mexico	Aphid (<i>Aphisgossypii</i>)	Less toxic pyrethroids/Pyrethrins available. *Registered in Mexico: Esfenvalerate, Bifenthrin, Cyantraniliprole, Fenpropathrin, Dimethoate, Flonicamid, Pymetrozine
Imidacloprid	Costa Rica Mexico	Whitefly (<i>Bemisia tabaci</i>), Aphid (<i>Aphisgossypii</i>)	Melon	Reject				Costa Rica Mexico	Whitefly (<i>Bemisia tabaci</i>), Aphid (<i>Aphisgossypii</i>)	Less toxic alternatives available, including other substances with the same MoA. *Registered in Costa Rica: deltamethrin, buprofezin, azadiractina, diazinon, spinetoram, pymetrozine, permethrin, cypermethrin, naled, piriproxifen, methoxyfenozide, thiodicarb, spirotetramat, spiromesifen, emamectin benzoate, sulfoxaflor, spinosad, dimethoate, indoxacarb, methoxychlor, cyromazine, novaluron, sodiumhexafluorosilicate flupyradifurone, bifenthrin, prothiofos, Dimethoate, Prothiofos *Registered in Mexico: Malathion Pyriproxifem, Dimethoate, Flonicamid, Bifenthrin, Diazinon, Spirotetramat, Pymetrozine, Sulfoxaflor, Cyantraniliprole, Dinotefuran

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Thiamethoxam	Costa Rica	Whitefly (<i>Bemisia tabaci</i>), Aphid (<i>Aphisgossypii</i>)	Melon	Reject				Costa Rica	Whitefly (<i>Bemisia tabaci</i>), Aphid (<i>Aphisgossypii</i>)	Less toxic alternatives available, including other substances with the same MoA. *Registered in Costa Rica: deltamethrin, buprofezin, azadiractina, diazinon, spinetoram, pymetrozine, permethrin, cypermethrin, naled, piriproxifen, methoxyfenozide, thiodicarb, metaldehyde, spirotetramat, spiromesifen, emamectin benzoate, sulfoxaflor, spinosad, dimethoate, indoxacarb, methoxychlor, cyromazine, novaluron, sodiumhexafluorosilicate
Zeta-Cypermethrin	Costa Rica	Moth (<i>Diaphina</i>)	Melon	Reject				Costa Rica	Moth (<i>Diaphina</i>)	Product is not registered for the requested crop, pest or combination
Abamectin	Costa Rica	Pea leaf miner (<i>Liriomyza sp.</i>)	Melon	Reject				Costa Rica	Pea leaf miner (<i>Liriomyza sp.</i>)	Less toxic alternatives available. *Registered in Costa Rica: azadiractina, bifenthrin, buprofezin, carbaryl, cypermethrin, cyromazine, deltamethrin, diazinon, dimethoate, esfenvalerate, emamectin benzoate, flupyradifurone, indoxacarb, lambda-cyhalothrin, malathion, methoxychlor, methoxyfenozide, naled, novaluron, permethrin, pirimiphos-methyl, piriproxifen, prothiofos, pymetrozine, spinetoram, spinosad, spiromesifen, spirotetramat, sulfoxaflor, tau-fluvalinate, thiodicarb
Oxamyl	Costa Rica	Nematodes (<i>Meloidogyne spp.</i> , <i>Pratylenchus spp.</i> , <i>Heterodea spp.</i>)	Melon	Reject				Costa Rica	Nematodes (<i>various</i>)	Sender didn't send enough information to prove real need. Climate conditions and crop rotation are not favorable for nematodes

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Fipronil	Mexico	South american palm weevil (<i>Rhynchorus palmarum</i> L.)	Oil Palm	Reject				Mexico	South american palm weevil (<i>Rhynchorus palmarum</i> L.)	Rainforest Alliance's policy to not allow application of liquid formulations in open fields. Product is not registered for the requested crop, pest or combination
Imidacloprid	Mexico	Sweet potato whitefly (<i>Bemisia tabaci</i> , <i>Bemisia argentifolii</i>), Tomato Psyllid (<i>Bactericera cockerelli</i>)	Peppers	Reject				Mexico	Sweet potato whitefly (<i>Bemisia tabaci</i> , <i>Bemisia argentifolii</i>), Tomato Psyllid (<i>Bactericera cockerelli</i>)	Less toxic alternatives available, including other substances with the same MoA. *Registered in Mexico: Bifenthrin, Acetamiprid, Pyrethrins, Dinotefuran, Buprofezin, Flonicamid, Cyantraniliprole, Spirotetramat Flonicamid
Brodifacoum - Pellet formulation	Costa Rica	Rodents (<i>Sigmodon</i> spp., <i>Sigmodon hispidus</i> , <i>Mus</i> spp. y <i>Rattus</i> spp., <i>Rattus norvegicus</i> , <i>Rattus rattus</i> , <i>Mus musculus</i>)	Pineapple	Approve	Costa Rica	Rodents (<i>Mus</i> spp., <i>Rattus</i> spp., <i>Sigmodon</i> spp.)	The impact of the field rat is related to the damage it causes to the crops referred to as part of its diet. Damage to pineapple plantations can account for up to 5% of production. Only for use in fields with fruit.			
Bromadiolone - Pellets formulation	Costa Rica	<i>Sigmodon</i> spp., <i>Mus</i> spp. y <i>Rattus</i> spp.	Pineapple	Approve	Costa Rica	Rodents (<i>Mus</i> spp., <i>Rattus</i> spp., <i>Sigmodon</i> spp.)	The impact of the field rat is related to the damage it causes to the crops referred to as part of its diet. Damage to pineapple plantations can account for up to 5% of production. Only for use in fields with fruit.			

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Flocoumafen - Pellet formulation	Costa Rica	Rodents (<i>Sigmodon spp.</i> , <i>Mus spp.</i> , <i>Rattus spp.</i> , <i>Mus sp.</i> ; <i>Rattus sp.</i> ; <i>Peromyscus sp.</i> ; <i>Sigmodon sp.</i> , <i>Rattus rattus</i> , <i>R. norvegicus</i> , <i>Peromyscus</i> , <i>Mus musculus</i> , <i>Sigmodon hispidus</i>)	Pineapple	Approve	Costa Rica	Rodents (<i>Mus sp.</i> , <i>Rattus spp.</i> , <i>Sigmodon spp.</i>)	The impact of the field rat is related to the damage it causes to the crops referred to as part of its diet. Damage to pineapple plantations can account for up to 5% of production. Only for use in fields with fruit.			
Fluazifop-butyl	Costa Rica	Weeds (<i>Cynodon dactylon</i> , <i>Digitaria sp.</i> , <i>Panicum sp.</i> , <i>Chlorys sp.</i> , <i>Setaria sp.</i> , <i>Eleusine indica</i> , <i>Cenchrus echinatus</i> , <i>Echinochloa colona</i> , <i>Panicum maximum</i> , <i>Setaria viridis</i> , <i>Sorghum halapense</i>)	Pineapple	Reject				Costa Rica	Weeds (<i>Cynodon dactylon</i> , <i>Digitaria sp.</i> , <i>Panicum sp.</i> , <i>Chlorys sp.</i> , <i>Setaria sp.</i> , <i>Eleusine indica</i> , <i>Cenchrus echinatus</i> , <i>Echinochloa colona</i> , <i>Panicum maximum</i> , <i>Setaria viridis</i> , <i>Sorghum halapense</i>)	Other weed control methods, including less toxic alternatives. *Registered in Costa Rica: Fluazifop-p-butyl, 2,2-Dpa(Dalapon), 2,4-D, Ametryn, Atrazine, Bensulfuron-M, Bentazone, Bispyribac-Sodium, Clethodim, Diuron, Glyphosate, Glyphosate-Trimesium, Haloxyfop-P-M, Hexazinone, Oxyfluorfen, Thiobencarb, Triclopyr
Carbendazim	Costa Rica	Wilting (<i>Fusarium spp.</i> , <i>Fusarium oxysporum</i> , <i>Thielaviopsis paradoxa</i>), Anthracnose (<i>Colletotrichum gloeosporioides</i>)	Pineapple	Approve	Costa Rica	Wilting (<i>Fusarium sp.</i>), Anthracnose (<i>Colletotrichum gloeosporioides</i>)	Few alternatives available			
Propiconazol	Costa Rica	<i>Fusarium sp.</i>	Pineapple	Approve	Costa Rica	Wilting (<i>Fusarium sp.</i>)	Few alternatives available			
Cadusafos	Costa Rica	Symphylan (<i>Scutigerella spp.</i> , <i>Scutigerella inmaculata</i>), Dwarf awl/snail (<i>Opeas pumilum</i>), land snails (<i>Cecillodes aperta</i>)	Pineapple	Reject				Costa Rica	Symphylan (<i>Scutigerella spp.</i>), Snails (<i>Opeas pumilum</i> , <i>Cecillodes aperta</i>)	Symphylan: Exceptions to other alternatives granted. *Registered in Costa Rica: Diazinon, Chlorpyrifos, benfuracarb, ethoprophos. Snails: secondary pest.

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Chlorpyrifos	Costa Rica Ivory Coast	Mealybug (<i>Dysmicoccus brevipes</i>), Symphylan (<i>Scutigerella spp.</i> , <i>Scutigerella immaculata</i>)	Pineapple	Partial approval (to all the requested countries, only some of the requested pests)	Costa Rica	Symphylan (<i>Scutigerella spp.</i>)	Few registered alternatives.		Mealybug (<i>Dysmicoccus brevipes</i>)	Other less toxic alternatives available, including other substances from the same MoA. *Registered in Costa Rica: acetamiprid, carbaryl, lambda cyhalothrin, diflubenzuron, fatty acids, pyriproxyfen, spirotetramat, spinetoram, Spinosad, Benfuracarb
Thiamethoxam	Costa Rica	Mealybug (<i>Dysmicoccus brevipes</i>), Garden Symphylan (<i>Scutigerella immaculata</i>), Fall armyworm (<i>Spodoptera frugiperda</i>)	Pineapple	Reject				Costa Rica	Mealybug (<i>Dysmicoccus brevipes</i>), Garden Symphylan (<i>Scutigerella immaculata</i>), Fall armyworm (<i>Spodoptera frugiperda</i>)	Fall armyworm (<i>Spodoptera frugiperda</i>) is a secondary pest. Less toxic alternatives available for Mealybug and Symphylan control. *Registered in Costa Rica: acetamiprid, carbaryl, lambda cyhalothrin, diflubenzuron, fatty acids, pyriproxyfen, spirotetramat, spinetoram, Spinosad, Benfuracarb
Ethoprophos	Costa Rica	Nematodes (various) and Symphylan (<i>Scutigerella spp.</i>), Mealybugs (<i>Dysmicoccus brevipes</i> , <i>Dysmicoccus neobrevipes</i>), Banana Weevil (<i>Cosmopolites sordidus</i>), weeds in general, Bristlegrass (<i>Setaria viridi</i>), Johnsongrass (<i>Sorghum halapense</i>)	Pineapple	Partial approval (to all the requested countries, only some of the requested pests)	Costa Rica	Nematodes (various) and Symphylan (<i>Scutigerella spp.</i>)	Few nematicides available		Mealybugs (<i>Dysmicoccus brevipes</i> , <i>Dysmicoccus neobrevipes</i>), Banana Weevil (<i>Cosmopolites sordidus</i>), weeds in general, Bristlegrass (<i>Setaria viridi</i>), Johnsongrass (<i>Sorghum halapense</i>)	Mealybugs and banana weevil: Less toxic alternatives available, Weeds: a.i is not effective for the requested pest.

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Fenamiphos	Costa Rica Ivory Coast	Nematodes (<i>Radopholus simillilis</i> , <i>Meloidogyne sp.</i> , <i>Meloidgune sp.</i> , <i>Pratylenchus sp.</i> , <i>Helicotylenchus sp.</i> , <i>Tylenchorhynchus spp.</i> , <i>Belonolaimus spp.</i> , <i>Tylenchulus semipenetrans</i> , <i>Rotylenchus sp.</i> , <i>Xiphinema sp.</i>), Mealybug (<i>Dysmicoccus brevipes</i>), Garden Symphylan (<i>Scutigerella immaculata</i> , Beet cyst eelworm (<i>Heterodera spp</i>))	Pineapple	Partial approval (to all the requested countries, only some of the requested pests)	Costa Rica, Ivory Coast	Nematodes (various)			Mealybug (<i>Dysmicoccus brevipes</i>), Garden Symphylan (<i>Scutigerella immaculata</i>)	Symphylan: Exceptions to other alternatives granted. *Registered in Costa Rica: Diazinon, Chlorpyrifos, benfuracarb, ethoprophos. Mealybugs: Other less toxic alternatives available. *Registered in Costa Rica: acetamiprid, carbaryl, lambda cyhalothrin, diflubenzuron, fatty acids, pyriproxyfen, spirotetramat, spinetoram, Spinosad, Benfuracarb
Oxamyl	Costa Rica Ivory Coast	Nematodes (<i>Meloidogyne sp.</i> , <i>Pratylenchus sp.</i> , <i>Rotylenchulus reniformis</i> , <i>Heterodea spp.</i> , <i>Radopholus similis</i> , <i>Meloidogyne incognita</i> , <i>Helicotylenchus multincinctus</i> , <i>Pratylenchus simipenetrans</i> , <i>Rorylenchulus reniformis</i> , <i>Helicotylenchus sp.</i>), Mealybug (<i>Dysmicoccus brevipes</i>), Symphylid.	Pineapple	Partial approval (to all the requested countries, only some of the requested pests)	Costa Rica, Ivory Coast	Nematodes (various)	Few nematicides available.		Mealybug (<i>Dysmicoccus brevipes</i>), Garden Symphylan (<i>Scutigerella immaculata</i>)	Symphylan: Exceptions to other alternatives granted. *Registered in Costa Rica: Diazinon, Chlorpyrifos, benfuracarb, ethoprophos. Mealybugs: Other less toxic alternatives available. *Registered in Costa Rica: acetamiprid, carbaryl, lambda cyhalothrin, diflubenzuron, fatty acids, pyriproxyfen, spirotetramat, spinetoram, Spinosad, Benfuracarb

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Chlorothalonil	Chile	Early blight (<i>Alternaria solani</i>), Late blight (<i>Phytophthora infestans</i> A1), Noble rot fungus (<i>Botrytis cinerea</i>), Anthracnose (<i>Colletotrichum gloesporioides</i>)	Potato	Reject				Chile	Early blight (<i>Alternaria solani</i>), Late blight (<i>Phytophthora infestans</i> A1), Noble rot fungus (<i>Botrytis cinerea</i>), Anthracnose (<i>Colletotrichum gloesporioides</i>)	Product is not registered for the requested crop, pest or combination
Thiamethoxam	Chile	Pea aphid (<i>Acyrtosiphon</i> spp), Black bean aphid (<i>Aphis fabae</i>), Cotton aphid (<i>Aphis gossypii</i>), glass-house potato aphid (<i>Aulacorthum solani</i>), Potato aphid (<i>Macrosiphum solanifolii</i>), green peach aphid (<i>Myzus persicae</i>), grain aphid (<i>Ropalosiphum padi</i>), green leafhopper (<i>Empoasca curveola</i>), Black and red froghopper (<i>Cercopis viridis</i>), Whitefringed beetle (<i>Naupactus</i> spp), Fuller's rose beetle (<i>Pantomorus</i> spp), Black cutworm (<i>Agrotis</i> spp), Moth (<i>Copitarsia</i> spp), bud borer (<i>Epinotia aporema</i>), Moth (<i>Feltia malefida</i>), corn earworm (<i>Heliothis zea</i>),	Potato	Reject				Chile	Pea aphid (<i>Acyrtosiphon</i> spp), Black bean aphid (<i>Aphis fabae</i>), Cotton aphid (<i>Aphis gossypii</i>), glass-house potato aphid (<i>Aulacorthum solani</i>), Potato aphid (<i>Macrosiphum solanifolii</i>), green peach aphid (<i>Myzus persicae</i>), grain aphid (<i>Ropalosiphum padi</i>), green leafhopper (<i>Empoasca curveola</i>), Black and red froghopper (<i>Cercopis viridis</i>), Whitefringed beetle (<i>Naupactus</i> spp), Fuller's rose beetle (<i>Pantomorus</i> spp), Black cutworm (<i>Agrotis</i> spp), Moth (<i>Copitarsia</i> spp), bud borer (<i>Epinotia aporema</i>), Moth (<i>Feltia malefida</i>), corn earworm (<i>Heliothis zea</i>),	Less toxic alternatives available, including other substances with the same MoA. Registered in Chile: Alpha-cypermethrin, bifenthrin, ciantraniliprole, ciromazine, clorantraniliprole, spinosad, spirotetramate, flubendiamide, fluopyram, gamma-cyhalotrin, indoxacarb, lambda-cyhalotrin, metaflumizone, novaluron, pymetrozine, sulfoxaflor, tau-fluvalinate, Acetamiprid, Cypermethrin, Dimethoate, Pirimicarb

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
		Tabaco horn worm (<i>Manduca sexta</i>), Moth (<i>Peridroma spp</i>), Sunflower looper (<i>Rachiplusia nu</i>), Fall armyworm (<i>Spodoptera spp</i>), Moth (<i>Plusia spp</i>), Moth (<i>Syngrapha gammoides</i>), Cabbage looper (<i>Trichoplusia ni</i>), Blister beetle (<i>Epothicauta pilme</i>), Tomato moth (<i>Tuta absoluta</i>), Potato tuber moth (<i>Phthorimaea operculella</i>)							spp), bud borer (<i>Epinotia aporema</i>), Moth (<i>Feltia malefida</i>), corn earworm (<i>Heliothis zea</i>), Tabaco horn worm (<i>Manduca sexta</i>), Moth (<i>Peridroma spp</i>), Sunflower looper (<i>Rachiplusia nu</i>), Fall armyworm (<i>Spodoptera spp</i>), Moth (<i>Plusia spp</i>), Moth (<i>Syngrapha gammoides</i>), Cabbage looper (<i>Trichoplusia ni</i>), Blister beetle (<i>Epothicauta pilme</i>), Tomato moth (<i>Tuta absoluta</i>), Potato tuber moth (<i>Phthorimaea operculella</i>)	
Chlorothalonil	Costa Rica	Brown spot (<i>Helminthosporium oryzae</i>)	Rice	Reject				Costa Rica	Brown spot (<i>Helminthosporium oryzae</i>)	Less toxic alternatives available, including other multi-site fungicides. *Registered in Costa Rica: propineb, TCMTB, mancozeb, copper hydroxide, copper oxychloride, copper hydroxide
Imidacloprid	Costa Rica	Stink bug (<i>Oebalus sp</i>)	Rice	Reject				Costa Rica	Stink bug (<i>Oebalus sp</i>)	Less toxic alternatives available. *Registered in Costa Rica: Trichlorfon, Carbaryl, lambda-cyhalothrin, Oxydementon-M

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Thiamethoxam	Costa Rica	Stink bug (<i>Oebalus</i> sp)	Rice	Reject				Costa Rica	Stink bug (<i>Oebalus</i> sp.)	Less toxic alternatives available. *Registered in Costa Rica: Trichlorfon, Carbaryl, lambda-cyhalothrin, Oxydemeton-M
Terbufos	Costa Rica	Nematodes (<i>Meloidogyne</i> sp., <i>Pratylenchus</i> sp., <i>Ditylenchus</i> sp., <i>Radopholus similis</i>), weevils (<i>Curculionoidea</i>)	Rice	Reject				Costa Rica	Nematodes (<i>Meloidogyne</i> sp., <i>Pratylenchus</i> sp., <i>Ditylenchus</i> sp., <i>Radopholus similis</i>), weevils (<i>Curculionoidea</i>)	Sender didn't send enough information to prove real need. Climate conditions and crop rotation are not favorable for nematodes
Abamectin	Chile	Red spider mite (<i>Tetranychus urticae</i>), Aphid (<i>Chaetosiphon fragaefoli</i> , <i>Chaetosiphon thomasi</i> , <i>Myzus persicae</i> , <i>Macrosiphum euphorbiae</i> , <i>Aphis gossypii</i>), Thrips (<i>Frankliniella occidentalis</i> , <i>Thrips tabaci</i> , <i>Frankliniella australis</i>), Raspberry weevil (<i>Aegorhinus superciliosus</i> , <i>Aegorhinus phaleratus</i>), black vine weevil (<i>Otiorhynchus sulcatus</i> , <i>Otiorhynchus rugosostriatus</i>), Fruit tree weevil (<i>Naupactus xanthographus</i>), weevil (<i>Graphognathus leucoloma</i>), Beetle (<i>Naupactus cervinus</i> , <i>Sericoides</i>)	Strawberry	Reject				Chile	Red spider mite (<i>Tetranychus urticae</i>), Aphid (<i>Chaetosiphon fragaefoli</i> , <i>Chaetosiphon thomasi</i> , <i>Myzus persicae</i> , <i>Macrosiphum euphorbiae</i> , <i>Aphis gossypii</i>), Thrips (<i>Frankliniella occidentalis</i> , <i>Thrips tabaci</i> , <i>Frankliniella australis</i>), Raspberry weevil (<i>Aegorhinus superciliosus</i> , <i>Aegorhinus phaleratus</i>), black vine weevil (<i>Otiorhynchus sulcatus</i> , <i>Otiorhynchus rugosostriatus</i>), Fruit tree weevil (<i>Naupactus xanthographus</i>), weevil (<i>Graphognathus leucoloma</i>), Beetle (<i>Naupactus cervinus</i> , <i>Sericoides</i>)	Less toxic alternatives available. Registered in Chile: acequinocyl, bifenthrin, fenpyroximate, pyridaben, Bacillus thuringiensis var. kurstaki; Cyhexatin; Spinetoram; Azadirachtin, Lambda-cyhalothrin

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
		viridis, <i>Phytholaema hermanni</i>), <i>Sericoides convexa</i> , <i>Sericoides spp.</i> , White grub (<i>Hylamorpha elegans</i> , <i>Brachysternus prasinus</i> , <i>Tomarus villosus</i>), Black cutworm (<i>Agrotis bilitura</i> , <i>Agrotis ipsilon</i> , <i>Agrotis lutescens</i>), Moth (<i>Copitarsia consueta</i> , <i>Feltia malefid</i>), corn earworm (<i>Heliothis zea</i>), European earwing (<i>Forficula auricularia</i>)							(<i>Graphognathus leucoloma</i>), Beetle (<i>Naupactus cervinus</i> , <i>Sericoides viridis</i> , <i>Phytholaema hermanni</i>), <i>Sericoides convexa</i> , <i>Sericoides spp.</i> , White grub (<i>Hylamorpha elegans</i> , <i>Brachysternus prasinus</i> , <i>Tomarus villosus</i>), Black cutworm (<i>Agrotis bilitura</i> , <i>Agrotis ipsilon</i> , <i>Agrotis lutescens</i>), Moth (<i>Copitarsia consueta</i> , <i>Feltia malefid</i>), corn earworm (<i>Heliothis zea</i>), European earwing (<i>Forficula auricularia</i>)	
Carbendazim	India	Tea blight (<i>Pestalotia theae</i>)	Tea	Reject				India	Tea blight (<i>Pestalotia theae</i>)	Less toxic alternatives available. *Registered in India: Copper oxychloride, hexaconazole + zineb combination
Fipronil	Malawi	Termites (<i>Isoptera</i>)	Tea	Reject				Malawi	Termites (<i>Isoptera</i>)	Other less toxic alternatives available, including biological alternative anacardium pericarp extract. Fungal biocontrol alternatives (<i>metarhizium anisopliae</i> & <i>paecilomyces lilacinus</i>) being used in India in addition to physical control practices which may offer an alternative

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Thiamethoxam	India	Tea Mosquit bug (<i>Helopeltis theivora</i>)	Tea	Approve	India	Tea Mosquit bug (<i>Helopeltis theivora</i>)	Few alternatives available			
Beta-cyfluthrin	Mexico	Beet armyworm (<i>Spodoptera exigua</i>)	Tomato	Reject				Mexico	Beet armyworm (<i>Spodoptera exigua</i>)	Less toxic pyrethroids/Pyrethrins available. *Registered in Mexico: Chlorfenapyr, Cyantraniliprole, Emamectin-Benzoneate, Esfenvalerate, Gamma-cyhalothrin, Indoxacarb, Methoxyfenozide, Novaluron, lambda-Cyhalothrin, bifenthrin, deltamethrin, gamma-Cyhalothrin, Spinosad, Tebufenozide
Imidacloprid	Mexico	Sweet potato whitefly (<i>Bemisia tabaci</i> , <i>Bemisia argentifolii</i>)	Tomato	Reject				Mexico	Sweet potato whitefly (<i>Bemisia tabaci</i> , <i>Bemisia argentifolii</i>)	Less toxic alternatives available, including other substances with the same MoA. *Registered in Mexico: Acetamiprid, Dinotefuran, Cyantraniliprole, Dimethoate, Dinotefuran
Chlorothalonil	Costa Rica	Fungus (<i>Colletotrichum lagenarium</i> , <i>Pseudoperonospora cubensis</i> , <i>Alternaria</i> spp, <i>Spaerhoteca fungilinea</i> , <i>Mycosphaella melonis</i> , <i>Rhizoctonia solani</i>), Anthracnose (<i>Colletotrichum</i> sp.)	Watermelon	Reject				Costa Rica	Fungus (<i>Colletotrichum lagenarium</i> , <i>Pseudoperonospora cubensis</i> , <i>Alternaria</i> spp, <i>Spaerhoteca fungilinea</i> , <i>Mycosphaella melonis</i> , <i>Rhizoctonia solani</i>), Anthracnose (<i>Colletotrichum</i> sp.)	Less toxic alternatives available, including other multi-site fungicides. *Registered in Costa Rica: Maneb, captan, zineb, ziram, pper (different salts), mancozeb, sulphur, metiram, ferbam, folpet, propineb
Beta-cyfluthrin	Mexico	Aphid (<i>Aphis gossypii</i>)	Watermelon	Reject				Mexico	Aphid (<i>Aphis gossypii</i>)	Less toxic pyrethroids/Pyrethrins available. *Registered in Mexico: Esfenvalerate, Bifenthrin, Cyantraniliprole, Fenpropathrin, Dimethoate, Flonicamid, Pymetrozine

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Imidacloprid	Costa Rica Mexico	Aphid (<i>Aphisgossypii</i>), Whitefly (<i>Bemisia tabaci</i>)	Watermelon	Reject				Costa Rica Mexico	Aphid (<i>Aphisgossypii</i>), Whitefly (<i>Bemisia tabaci</i>)	Less toxic alternatives available. *Registered in Costa Rica: deltamethrin, buprofezin, azadiractina, diazinon, spinetoram, pymetrozine, permethrin, cypermethrin, naled, piriproxifen, methoxyfenozide, thiodicarb, metaldehyde, spirotetramat, spiromesifen, emamectin benzoate, sulfoxaflor, spinosad, dimethoate, indoxacarb, methoxychlor, cyromazine, novaluron, sodiumhexafluorosilicate, *Registered in Mexico: Sulfoxaflor, Malathion, Dimethoate, spirotetramat, Cyantraniliprole, Dinotefuran, Flonicamid
Thiamethoxam	Costa Rica	Aphid (<i>Aphisgossypii</i>), Whitefly (<i>Bemisia tabaci</i>)	Watermelon	Reject				Costa Rica	Aphid (<i>Aphisgossypii</i>), Whitefly (<i>Bemisia tabaci</i>)	Less toxic alternatives available. *Registered in Costa Rica: deltamethrin, buprofezin, azadiractina, diazinon, spinetoram, pymetrozine, permethrin, cypermethrin, naled, piriproxifen, methoxyfenozide, thiodicarb, metaldehyde, spirotetramat, spiromesifen, emamectin benzoate, sulfoxaflor, spinosad, dimethoate, indoxacarb, methoxychlor, cyromazine, novaluron, sodiumhexafluorosilicate

a.i	Country	Pests	Crop	Final decision	Approved Countries	Approved Pests	Justifications for approvals	Rejected countries	Rejected pests	Justifications for rejections
Abamectin	Costa Rica	Pea leaf miner (<i>Liriomyza</i> sp.)	Watermelon	Reject				Costa Rica	Pea leaf miner (<i>Liriomyza</i> sp.)	Less toxic alternatives available. *Registered in Costa Rica: azadiractina, bifenthrin, buprofezin, carbaryl, cypermethrin, cyromazine, deltamethrin, diazinon, dimethoate, esfenvalerate, emamectin benzoate, flupyradifurone, indoxacarb, lambda-cyhalothrin, malathion, methoxychlor, methoxyfenozide, naled, novaluron, permethrin, pirimiphos-methyl, piriproxifen, prothiofos, pymetrozine, spinetoram, spinosad, spiromesifen, spirotetramat, sulfoxaflor, tau-fluvalinate, thiodicarb
Oxamyl	Costa Rica	Nematodes (<i>Meloidogyne</i> spp., <i>Nematodo Lesionador</i> , <i>Pratylenchus</i> spp., <i>Heterodea</i> spp.)	Watermelon	Reject				Costa Rica	Nematodes (various)	Sender didn't send enough information to prove real need. Climate conditions and crop rotation are not favorable for nematodes
Beta-cyfluthrin	Mexico	Cotton aphid (<i>Aphis gossypii</i>)	Zucchini	Reject				Mexico	Cotton aphid (<i>Aphis gossypii</i>)	Less toxic alternatives available, including other substances with the same MoA. *Registered in Mexico: Bifenthrin, Cyantraniliprole, Flonicamid, pymetrozide, Pyriproxyfen
Imidacloprid	Mexico	Cotton aphid (<i>Aphis gossypii</i>)	Zucchini	Reject				Mexico	Cotton aphid (<i>Aphis gossypii</i>)	Product is not registered for the requested crop, pest or combination