



Catalogue



March 2020

Common products

	Targeted plant/fruit	Pest	M2i Product	Semiochemical molecules (sex pheromone/food attractant)	Use	Associated traps	Diffusion periods
Forestry	Chestnut	Horse-chestnut leaf miner (<i>Cameraria ohridella</i>)	Cameraria Pro Caps®	8E,10Z-Tetradecadienal (sex pheromone)	Monitoring	Delta/Funnel	90 days
	Oak	Oak processionary moth (<i>Thaumetopoea processionea</i>)	Oak T Pro Caps®	11Z,13Z-Hexadecadienyl acetate; 11E,13Z-Hexadecadienyl acetate (sex pheromone)	Monitoring	Funnel	90 days
	Pine	Pine processionary moth (<i>Thaumetopoea pityocampa</i>)	Pine T Pro Caps®	13Z-Hexadecen-11-yn-1-yl acetate (sex pheromone)	Monitoring	Funnel	120 days
	Pine	Pine processionary moth (<i>Thaumetopoea pityocampa</i>)	Pine T Pro ball®	(Z)-13-Hexadecen-11-yn-1-yl acetate (sex pheromone)	Mating disruption	-	90 to 120 days
Biocidal product type 19 NOR : TREP 2002885A ; Order authorising in France by derogation the placing of the biocidal product named « Pine T Pro Ball » or « PHERO BALL Pin » on the market for a period of 180 days and taking effect from 1st May 2020*							
Field crops	Cotton	Cotton bollworm (<i>Pectinophora gossypiella</i>)	Pecti Pro Caps®	7Z,11Z- & 7Z,11E-Hexadecadien-1-yl acetate (sex pheromone)	Monitoring	Delta	60 days
	Cotton	Cotton bollworm (<i>Pectinophora gossypiella</i>)	Pecti Pro Spray®	7Z,11Z- & 7Z,11E-Hexadecadien-1-yl acetate (sex pheromone)	Mating disruption	-	60 days
	Corn	Fall armyworm (<i>Spodoptera frugiperda</i>)	Frugiperda Pro Plus®	9Z-Tetradecen-1-yl acetate; 11Z-Hexadecen-1-yl acetate (sex pheromone)	Monitoring	Funnel	90 days
	Corn	Mediterranean corn bore (<i>Sesamia nonagrioides</i>)	Sesamia Pro Caps®	11Z-Hexadecenol; 11Z-Hexadecen-1-yl acetate; Dodecyl acetate; Hexadecenal (sex pheromone)	Monitoring	Delta	90 days
	Potato, salad etc.	Wireworms (<i>Agriotes sordidus</i>)	Agriotes Pro Caps®	Geranyl hexanoate (agregation pheromone)	Monitoring	Pitfall (black)	90 days
Gardening	Beetroot	Beet armyworm (<i>Spodoptera exigua</i>)	Exigua Pro Caps®	9Z,12E-Tetradecadienyl acetate; 9Z-Tetradecenol; 11Z-Hexadecenyl acetate (sex pheromone)	Monitoring	Funnel	60 days
	Brassicaceae (cabbage, mustard, turnip)	Diamondback moth (<i>Plutella xylostella</i>)	Plutella Pro Caps®	11Z-Hexadecenyl acetate; 11Z-Hexadecen-1-ol, 11Z-Hexadecenal (sex pheromone)	Monitoring	Delta Tuta trap	60 days
	Cabbage	Cabbage moth (<i>Mamestra brassicae</i>)	Mamestra Pro Caps®	11Z-Hexadecen-1-yl acetate, 9Z-Hexadecen-1- yl acetate; Hexadecyl acetate (sex pheromone)	Monitoring	Funnel	60 days
	Curcubitaceae spp.	Vegetable flies (<i>Bactrocera Cucurbitae</i> & <i>Dacus Demmerezi</i>)	Curcubitae Pro Drop®	Cuelure (food attractant)	Monitoring	Fly trap Upside down Funnel***	30 to 60 days





	Leak	Leak moth (<i>Acrolepiopsis assectella</i>)	Assectella Pro Caps®	11Z-Hexadecenal; 11Z-Hexadecenyl acetate (sex pheromone)	Monitoring	Delta	90 days	
	Tomato	Tomato leafminer (<i>Tuta absoluta</i>)	Tuta Pro Caps®	3E,8Z,11Z-Tetradeca-3,8,11-Trienyl acetate; 3E,8Z-Tetradecadien-1-yl acetate (sex pheromone)	Monitoring	Red tuta trap Red delta	90 days	
	Tomato	Cotton bollworm (<i>Helicoverpa armigera</i>)	Armigera Pro Caps®	Z-11-Hexadecenal (sex pheromone)	Monitoring	Funnel	90 days	
Ornamental	Box tree	Box tree moth (<i>Cydalima perspectalis</i>)	Box T Pro Caps®	Z-11-Hexadecenal (sex pheromone)	Monitoring	Funnel	90 days	
	Box tree	Box tree moth (<i>Cydalima perspectalis</i>)	Box T Pro Press®	Z-11-Hexadecenal (sex pheromone)	Mating disruption	-	≈ 90 days	
	A.M.M.: N°2189998. Product under evaluation in France and Central Europe. Emergency Authorization in France between 01/04/2020 and 20/07/2020, Article 53 from the Regulation n°1107 / 2009**							
	250 host plants (eggplant, cucumber, cyclamen, strawberry, etc.)	Western flower trips (<i>Frankliniella occidentalis</i>)	Frankliniella Pro Caps®	Cyclopropyl methyl isonicotinate; Lavandulyl cyclopropane carboxylate (food attractant)	Monitoring	Blue sticky trap	90 days	
	Ornamental plants (cyclamen, begonia, impatiens...) et gardening plants (pepper, celery, lettuces...)	European pepper moth (<i>Duponchelia fovealis</i>)	Fovealis Pro Caps®	13Z-Octadecenal; 11Z-Hexadecenal (sex pheromone)	Monitoring	Delta	60 days	
Palm tree	Red palm weevil (<i>Rhynchophorus ferrugineus</i>)	Rhyncho Pro Classic®	Ferrugineol (aggregation pheromone)	Monitoring	Pitfall (black)	90 to 120 days		
Orchard	Fruit tree (apricot tree, cherry tree, plum tree, apple tree, etc.)	Mediterranean fruit fly (<i>Ceratitis capitata</i>)	Capitata Pro Caps®	Trimedlure (food attractant)	Monitoring	Fly trap Upside down Funnel***	60 days	
	Fruit tree (apricot tree, cherry tree), strawberry etc.	Spotted wing drosophila (<i>Drosophila suzukii</i>)	Droso Pro Classic®	Attractive cocktail (food attractant)	Monitoring	Droso	30 à 60 days	
	Avocado tree, coffee tree, peach tree, etc.	False codling moth (<i>Thaumatotibia leucotreta</i>)	FCM Pro Caps®	8E-Dodecen-1-yl acetate; 8Z-Dodecen-1-ol; 8E-Dodecen-1-ol (sex pheromone)	Monitoring	Delta	90 days	
	Banana tree	Banana weevil (<i>Cosmopolites sordidus</i>)	Sordi Pro Classic®	Sordidine (aggregation pheromone)	Monitoring	Pitfall (yellow)	90 days	
	Cherry tree	Cherry fruit fly (<i>Rhagoletis cerasi</i>)	Rhagoletis Pro Caps®	Ammonium acetate; Calcium carbonate (food attractant)	Monitoring	Fly trap Upside down Funnel***	40 days	




	Coconut tree	Rhinoceros Beetle (<i>Oryctes Rhinoceros</i>)	Oryctes Pro Classic®	Ethyl 4-methyloctanoate (aggregation pheromone)	Monitoring	Pitfall	90 days
	Mango tree, papaya tree, citrus tree, guava tree, etc.	Oriental fruit fly (<i>Bactrocera dorsalis</i>)	Bactrocera Pro Drop®	Methyleugenol (food attractant)	Monitoring	Fly trap Upside down Funnel***	30 to 60 days
	Olive tree	Olive fruit fly (<i>Bactrocera oleae</i>)	Olea Plus Pro Caps®	Dibasic diammonium phosphate (food attractant)	Monitoring	Fly trap Upside down Funnel***	30 days
	Peach tree, apple tree, etc.	Oriental fruit moth (<i>Grapholita molesta</i>)	Grapholita Pro Caps®	8Z-Dodecen-1-yl acetate (sex pheromone)	Monitoring	Delta	90 days
	Pear tree	Leopard moth (<i>Zeuzera pyrina</i>)	Zeuzera Pro Caps®	2E,13Z-Octadecadien-1-yl acetate (sex pheromone)	Monitoring	Funnel	90 days
	Apple tree, walnut tree	Codling moth (<i>Cydia pomonella</i>)	Cydia Pro Caps®	8E,10E,Dodecadien-1-ol; Dodecanol; 1-Tetradecanol (sex pheromone)	Monitoring	Delta	90 days
	Plum tree	Plum fruit moth (<i>Grapholita funebrana</i>)	Funebrana Pro Caps®	8Z-Dodecen-1-yl acetate (sex pheromone)	Monitoring	Delta	60 days
Vine	Grape	Vine Mealybug (<i>Planococcus ficus</i>)	VMB Pro Caps®	Lavandulyl senecioate (sex pheromone)	Monitoring	Sticky trap	60 days
	Grape	European grape berry moth (<i>Eupoecilia ambiguella</i>)	Cochyl Pro Caps®	9Z-Dodecenyl acetate; Dodecyl acetate (sex pheromone)	Monitoring	Delta	90 days
	Grape	European grapevine moth (<i>Lobesia botrana</i>)	Lobesia Pro Caps®	7E,9Z-Dodecadienyl acetate (sex pheromone)	Monitoring	Delta	90 days
Stored products	Stored products (wheat, corn, rice, etc.)	Wheat/maize/rice weevils (<i>Sitophilus granarius</i> , <i>S. zeamais</i> , <i>S. oryzae</i>), lesser grain borer (<i>Rhyzopertha dominica</i>), sawtoothed grain beetle (<i>Oryzaephilus surinamensis</i>), red flour/confused flour beetle (<i>Tribolium castaneum/confusum</i>)	Sitophy Pro Caps®	Sitophinone et Dominicalure (aggregation pheromone, food attractant)	Monitoring	Pitfall Probe trap Square trap	90 days
Miscellaneous	Rice, corn, grape, box tree, pine, tomato, etc.	Paddy stem borer (<i>Chilo suppressalis</i>), maize stem-borer (<i>Ostrinia nubilalis</i>), European grapeberry moth (<i>Eupoecilia ambiguella</i>), box tree moth (<i>Cydalima perspectalis</i>), pine processionary (<i>Thaumetopoea pityocampa</i>), cotton bollworm (<i>Helicoverpa armigera</i>), etc.	Bactura DF®	<i>Bacillus thuringiensis</i> <i>spp. kurstaki</i>	Insecticide	-	-

Products upon request











	Plant/Fruit Target	Pest	M2i Product	Semiochemical molecules (sex pheromone/food attractant)	Use	Associated traps	Diffusion periods
Forestry	Citrus tree, coconut tree	Red scale (<i>Aonidiella aurantii</i>)	Aurantii Pro Caps®	(3S, 6RS)-3-methyl-6-(1)-methylethenyl-9-decenyl acetate (sex pheromone)	Monitoring	Sticky trap	90 days
	Hardwood, softwood	Gypsy moth (<i>Lymantria dispar</i>)	Dispar Pro Caps®	Cis-7,8-Epoxy-2-methyloctadecane (sex pheromone)	Monitoring	Funnel	90 days
	Pine	Pine shoot moth (<i>Rhyacionia buoliana</i>)	Rhyacionia Buoliana Pro Caps®	9E-Dodecenyl acetate (sex pheromone)	Monitoring	Delta Funnel	60 days
Field crops	Corn	European corn borer (<i>Ostrinia nubilalis</i>)	Ostrinia Pro Caps®	11Z-Tetradecenyl acetate; 11E-Tetradecenyl acetate (sex pheromone)	Monitoring	Delta Funnel	60 days
Gardening	Sweet potato	Sweet potato weevil (<i>Cylas formicarius</i>)	Cylas Pro Caps®	3Z-Dodecenyl 2E-butenoate (sex pheromone)	Monitoring	Pitfall	90 days
Orchard	Citrus trees, ornamental plants	Citrus mealybug (<i>Planococcus citri</i>)	Citri Pro Caps®	Cis-planococcy acetate (sex pheromone)	Monitoring	Sticky trap	60 days
	Citrus trees	Citrus leafminer (<i>Phyllocnistis citrella</i>)	Phyllo Pro Caps®	7Z,11Z,13E-Hexadecatrienal; 7Z,11Z-Hexadecadienal (sex pheromone)	Monitoring	Delta	90 days

Product packaging

Name of the product	Packaging	Visual
Ball	Paintball-type balls	
Caps	Syringes	
	Sachets	
Classic	Wick diffusers	

Name of the product	Packaging	Visual
Drop	Tubes	
Press	Sealed aluminum pouch	
Spray	Bottle	

Available traps

Trap type	Target Insects	Associated products examples	Visual
Delta	Lepidoptera (small moths) Hemiptera (mealybug)	Armigera Pro Caps®, Cochyl Pro Caps®, Cydia Pro Caps®, Exigua Pro Caps®, Grapholita Pro Caps®, Lobesia Pro Caps®, Plutella Pro Caps®	
Droso	Diptera (small size moth drosophila type)	Droso Pro Classic®	
Flytrap	Diptera (medium to large moths)	Capitata Pro Caps®, Bactrocera Pro Drop®, Olea Plus Pro Caps®, Rhagoletis Pro Caps®	
Standard Funnel	Lepidoptera (large moths)	Box T Pro Caps®, Frugiperda Pro Plus®, Oak T Pro Caps®, Pine T Pro Caps®, Zeuzera Pro Caps®	
Upside down Funnel***	Diptera (medium to large flies)	Capitata Pro Caps®, Bactrocera Pro Drop®, Olea Plus Pro Caps®, Rhagoletis Pro Caps®	
Pine T Pro Trap	Pine processionary (<i>Thaumetopoea pityocampa</i>)	[Trap without any other associated product]	
Pitfall	Coleoptera	Agriotes Pro Caps®, Oryctes Pro Classic®, Rhyncho Pro Classic®, Sitophy Pro Caps®, Sordi Pro Classic®	
Blue Sticky Trap	Thysanoptera (thrips)	Frankliniella Pro Caps®	
Yellow Sticky Trap	Hemiptera (mealybug)	Aurantii Pro Caps®, Citri Pro Caps®	
Red Tuta Trap	Lepidoptera (small moths)	Plutella Pro Caps®, Tuta Pro Caps®	

* LEGAL NOTICE: Pine T Pro Ball®, Biocidal product type 19 NOR : TREP 2002885A ; Order authorizing by derogation the placing of the biocidal product named “Pine T Pro Ball” or “PHERO BALL Pin” on the market for a period of 180 days and taking effect from 1st May 2020.

Composition: (Z)-13-Hexadecen-11-yn-1-yl acetate (4% m/m)

Caution: H411: Harmful to aquatic life with long-lasting effects. P273: Avoid release into the environment. P391: Collect any spilled product. P501: Dispose of the contents/container in a hazardous or special waste collection centre (approved facility) in accordance with local, regional, national and/or international regulations. EUH401: To avoid risks to human health and the environment, comply with the instructions for use. SPe1: Do not pollute water with the product or its packaging. Reentry interval (REI): 6 hours.

** LEGAL NOTICE: Box T Pro Press®, Product under evaluation in France and Central Europe. Emergency Authorization in France between 01/04/2020 and 20/07/2020, Article 53 from the Regulation n°1107 / 2009
Composition: (Z)-11-hexadecenal): 70g/kg (7%)

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*** For the upside down Funnel, please refer to the technical sheet of the notified product.