

*Chemtech*

## **PHEROMONES**



Re: Pheromones

Dear Sir, Madam,

Chemtech is pleased to herewith provide you with a list of our pheromones product range. Please note the enclosed is a summary, we have a larger variety of pheromones available than listed.

We hope this information will be helpful to you. If you have questions regarding the products indicated or if you are looking for a product which is not indicated on this list, then please send a message to [info@chemtechbv.com](mailto:info@chemtechbv.com) or call us at our office on +31-20-671 5656 and we will provide you with the required data immediately.

We are looking forward to receiving your news, and remain,

Yours sincerely,

CHEMTECH B.V.  
Matthijs Plusquin / Managing Director

*Chemtech*

**PHEROMONES**

Chemical Substances (Part 1)

$\beta$ -ACARIDIAL

- = 2-(E)-4(4-METHYL-3- PENTENYLIDENE)-BUTANEDIOL
- Caloglyphus Poly (acarid mite)

L-BORNYL ACETATE

- Periplaneta Americana ( American cockroach)

t-BUTYL-4( or 5)-CHLORO-2-METHYLCYCLOHEXANE CARBOXYLATE

- see TRIMEDLURE

2-BUTYL-Z-7-TETRADECENOATE

ENDO-BREVICOMIN

- = ( endo-7-ETHYL-5-METHYL-6,8-DIOXABICYCLO [3.2.1]-OCTANE)
- Dendroctonus Terebrans (black turpentine beetle)  
combi + Frontalin + Turpentine

EXO-BREVICOMIN

- = (exo-7-ETHYL-5-METHYL-6,8-DIOXABICYCLO[3.2.1]-OCTANE
- Dendroctonus Brevicomis ( western pine beetle)  
combi + Frontalin + Myrcene
- Dendroctonus Ponderosae (mountain pine beetle)  
combi + cis-2-Verbenol + Myrcene
- Dryocoetes Confusus (western balsam bark beetle)

8-BROMO-OCTANOIC ACID

CAPILURE

CHALCOGRAN

- = (2-ETHYL – 1.6-DIOXASPIRO[4,4,]NONANE
- Pityogenes Chalcographus  
combi with 1-Hexanol

CODLEMONE

- See: E,E-8,10-DODECADIENOL

CODLURE

- See: E,E-8,10-DODECADIENOL

$\alpha$ -CUBEBENE

- combi with  $\alpha$ -MULTISTRIATIN
- Scolytus Multistriatus (smaller european elm bark beetle)
- Scolytus Scolytus (larger european elm bark beetle)

CUELURE

- = 4-(4-HYDROXYPHENYL) –2- BUTANONE ACETATE
- Dacus Curcurbitae (melon fly)
- Dacus Tryoni (queensland fruit fly)

1,9-DECADIENE

Z3-DECENOIC ACID

- Anthrenus Flavipes (furniture carpet beetle)

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E5-DECENOL cas 56578-18-8  
- Anarsia Lineatella (peach twigborer)  
combi (15) + E5-10AC (85)

Z5-DECENOL  
- Coleophora Laricella (larch casebearer)

Z-5-DECEN-1-OL cas 51652-47-2  
- Pistol casebeares, Apple & plum casebeares moth,  
Eastern larch casebearer  
- Soft shoot moth, Shark, Turnip moth, as well as other  
lepidoptera

E7-DECENOL

E9-DECENOL

E3-DECENYL ACETATE

Z3-DECENYL ACETATE cas 81634-99-3  
- Cossus Cossus (european goat moth)  
combi (1) + Z5-12AC (2) Z5-14AC (1)

E5-DECENYL ACETATE cas 38421-90-8  
- Anarsia Lineatella (peach twigborer)  
combi (85) + E5-10OH (15)

Z5-DECENYL ACETATE cas 67446-07-5  
- Agrotis Segetum (turnip moth)  
combi (1) + Z7-12AC (1) + Z9-14AC (1)  
- Agrotis Fucosa (common cutworm)  
combi (68) + Z7-10AC (32)  
- Euxoa Ochrogaster (redbacked cutworm)  
combi (1) + Z5-12AC (500) + Z7-12AC (5) + Z9-12AC (2)

E7-DECENYL ACETATE

Z7-DECENYL ACETATE cas 13857-03-9  
- Agrotis Fucosa (common cutworm)  
combi (32) + Z5-10AC (68)

E8-DECENYL ACETATE

Z8-DECENYL ACETATE

E9-DECENYL ACETATE

(R,Z)-5-(1-DECENYL)-DIHYDRO-2-(3H)-FURANONE  
- = JAPONILURE  
- Popillia Japonica (japanese beetle)

5-DECYNOL

5-DECYNYL ACETATE

5-DECYNYL CHLORIDE

DICASTALURE

- = (E)-9,11-12AC:(Z)-9,11-12AC=4:1

2,6-DICHLOROPHENOL

- *Amblyomma Americanum* (lone star tick)

1,2-DIMETHOXY-4-(2-PROPENYL)-PHENOL

- see METHYL EUGENOL

delta-3,3-DIMETHYL-DELTA-1,ALPHA-CYCLOHEXANE-ETHANOL

- *Anthonomus Grandis* (boll weevil)

E,E-4,8-DIMETHYL-4,8-DECADIEN-10-OLIDE

- *Cryptolestes Ferrugineus* (rusty grainbeetle)

4,8-DIMETHYLDECANAL

- *Tribolium Castaneum* (red flour beetle)
- *Tribolium Confusum* (confused flour beetle)

5,9-DIMETHYLHEPTADECANE

- *Leucoptera Scitella*

2,6-DIMETHYL-1,5-HEPTADIEN-3-YL ACETATE

- *Pseudococcus Comstocki* (comstock mealybug)

E-3,9-DIMETHYL-6-(1-METHYLETHENYL)-5,8-DECADIENYL ACETATE

- *Aonidiella Citrana* (yellow scale)

Z-3,9-DIMETHYL-6-(1-METHYLETHENYL)-3,9-DECADIENYL PROPANOATE

- *Pseudaulacaspis Pentagona* (white peach scale)

2,2-DIMETHYL-3-(1-METHYLETHYL)-CYCLOBUTANE METHYL ACETATE

- *Planococcus Citri* (citrus mealybug)

(Z)-3,7-DIMETHYL-2,7-OCTADIENYL PROPANOATE

- *Quadraspidotus Perniciosus* (san jose scale)  
combi + 3-Methylene-7-Methyl-7-Octen-1-ol Propanoate

1,7-DIOXASPIRO-(5,5)-UNDECANE

- *Dacus Oleae* (olive fly)

DISPARLURE

- see: Z-7,8-EPOXY-2-METHYL-OCTADECANE/  
METHYL-cis-7r-8s-EPOXY-OCTADECANE

Z,E-7,9,11 DODECATRIENYL FORMATE

- Carob moth (*Ectomyelois certoniae*)

cas 33956-49-9

Z,Z,E-3,6,8-DODECATRIEN-1-OL

- Subterranean termite

cas 19926-63-7

- Z3-DODECEN-1-OL-(E)-2-BUTENOATE  
- *Cylas Formicarius Elegantulus* (sweet potato weevil)
- Z-7-DODECEN-1-OL cas 20056-92-2  
- *Schizura semirufescens*, *Ypsolopha dentella*,  
*Protobathra leucostola*
- Z-9-DODECEN-1-OL cas 35148-18-6  
- Coconut netter caterpillar, Black army cutworm  
Douglas-fir cone moth  
- Southwestern pine tip moth, Avocado leafroller, as well as the  
other lepidoptera
- Z,Z,Z-3,6,9-DOCOSATRIENE
- Z,E-5,7-DODECADIENAL  
- *Malacosoma Disstria* (lackey moth/forest tent caterpillar)  
combi (1) + Z,E-5,7-12OH (10)
- E,Z-5,7-DODECADIENAL cas 75539-65-0  
- Eastern Tent Caterpillar (*Malacosoma americanum*)
- E,E-5,7-DODECADIENOL  
- *Dendrolimus Spectabilis* (pine moth)  
combi (1) + Z,E-5,7-12OH (5)
- Z,E-5,7-DODECADIENOL  
- *Dendrolimus Spectabilis* (pine moth)  
combi (5) + E,E-5,7-12OH (1)  
- *Malacosoma Disstria* (lackey moth/forest tent caterpillar)  
combi (10) + Z,E-5,7-12AL (1)
- E,Z-7,9-DODECADIENOL
- Z,E-8,10-DODECADIENOL  
- *Pammene Rhediella* (fruitlet mining tortrix)
- E,E-8,10-DODECADIENOL cas 33956-49-8  
- = CODLEMONE  
- *Cydia Pomonella* (codling moth)  
combi (60) + E9-12OH (3) + 1-12OH (19) + 1-14OH (8)
- E,Z-5,7-DODECADIEN-1-OL cas 71510-51-5  
- Eastern Tent Caterpillar (*Malacosoma americanum*)
- E,E-8,10-DODECADIEN-1-OL cas 33956-49-9  
- Codling Moth
- Z,Z-3,6-DODECADIENOLIDE  
- *Oryzaephilus Surinamensis* (sawtoothed grain beetle)  
combi + Z,Z-3,6-Dodecadien-11-olide + Z,Z-5,8-Tetra-decadien-13-olide

Z,Z-3,6-DODECADIEN-11-OLIDE

- *Oryzaephilus Mercator* (merchant grain beetle)  
combi + Z3-Dodecen-11-olide
- *Oryzaephilus Surinamensis* (sawtoothed grain beetle)  
combi + Z,Z-3,6-Dodecadienolide + Z,Z-5,8-Tetradeca-dien-13-olide

E,Z-7,9-DODECADIENYL ACETATE

- *Lobesia Botrana* (european grapevine moth)  
combi + E,E-7,9-12AC

E-9, 11-DODECADIENYL ACETATE

cas 50767-78-7

- Nantucket Pine Tip Moth (*Rhyacionia frustrana*)

E,E-7,9-DODECADIENYL ACETATE

- *Lobesia Botrana* (european grapevine moth)  
combi + E,Z,-7,9-12AC

E,E-8,10-DODECADIENYL ACETATE

- *Cydia Nigricana* (pea moth)
- *Rhyacionia Rigidana* (pitch pine tip moth)
- *Cydia Caryana* (hickory shuckworm)  
combi + Z9-12AC
- *Hedya Nubiferana* (green budworm)  
combi (55) + Z8-12AC (32) + E8-12AC (5) + 1-12AC (9)
- *Laspeyresia Medicaginis*
- *Melissopus Latiferreanus* (filbertworm)  
combi (3) + E,Z-8,10-12AC (13)

E,E-8,10-DODECADIENYL ACETATE

cas 53880-51-6

- Red pine shoot borer, Hickory shuckworm Pea moth, Codling moth, Chestnut tortrix
- Gorse pod moth, Chinese tortrix, as well as other lepidoptera

E,Z-7,9-DODECADIENYL ACETATE

cas 54386-62-4

- Grapevine moth (*Lobesia botrana*)

E,Z-8,10-DODECADIENYL ACETATE

- *Melissopus Latiferreanus* (filbertworm)  
combi (13) + E,E-8,10-12AC (3)

E,E-9,11-DODECADIENYL ACETATE

- *Diparopsis Castanea* (red bollworm)  
combi (8) + Z,E-9,11-12AC (2) + 11-12AC (2,5) + E9-12AC (0,5) +1-12AC (5)

Z,E-9,11-DODECADIENYL ACETATE

- *Diparopsis Castanea* (red bollworm)  
combi (2) + E,E-9,11-12AC (8) + 11-12AC (2,5) + E9-12AC (0,5) +1-12AC (5)

Z,E-5,7-DODECADIENYL PROPANOATE

DODECANAL



1-DODECANOL

- *Cydia Pomonella* (codling moth)  
combi (19) + E,E-8,10-12OH (60) + E9-12OH (3) + 1-14OH (8)
- *Homona Coffearia* (tea tortrix)  
combi (3) + E9-12AC (1) + 1-12AC (1)
- *Rhyacionia Buoliana* (european pine shoot moth)  
combi (1) + E9-12AC (50) + E9-12OH (5) + 1-12AC (5)

E5-DODECENAL

Z5-DODECENAL

E7-DODECENAL

Z7-DODECENAL

E8-DODECENAL

Z8-DODECENAL

E9-DODECENAL

Z9-DODECENAL

E10-DODECENAL

Z10-DODECENAL

E9-DODECENOIC ACID, ISOPROPYLESTER

Z9-DODECENOIC ACID, ISOPROPYLESTER

E5-DODECENOL

Z5-DODECENOL

E7-DODECENOL

Z7-DODECENOL

- *Odites Leucostola*
- *Raphia Frater*
- *Dicentria Semirufescens*
- *Protobathra Leucostola*
- *Autographa Californica* (alfalfa looper)  
combi (1) + Z7-12AC (10)
- *Autographa Gamma* (silver Y moth)  
combi (1) + Z7-12AC (20)
- *Oligicentra Semirufescens*

E8-DODECENOL

Z8-DODECENOL

cas 40642-40-8

E9-DODECENOL

- *Cydia Pomonella* (codling moth)  
combi (3) + E,E-8,10-12OH (60) + 1-12OH (19) + 1-14OH (8)
- *Rhyacionia Buoliana* (european pine shoot moth)  
combi (5) + E9-12AC (50) + 1-12AC (5) + 1-12OH (1)

E-9-DODECEN-1-OL

cas 35237-62-8

- *Dichrorampha* sp., *Sparganothis pilleriana*, *Rhyacionia subtropica*

Z9-DODECENOL

- *Eucosma Sonomana* (western pine shoot borer)

E10-DODECENOL

- *Gypsonoma Aceriana* (poplar shoot moth)  
combi (1) + E10-12AC (3)

Z10-DODECENOL

Z3-DODECEN-11-OLIDE

- *Oryzaephilus Mercator* (merchant grain beetle)  
combi + Z,Z-3,6-Dodecadien-11-olide

1-DODECENYL ACETATE

- *Chrysodeixis Chalcites* (tomato looper/green garden looper)  
combi (1,5) + Z7-12AC (67) + Z9-14AC (14) + Z9-12AC (5) + 1-14AC (1) + 1-16AC (16)
- *Archips Argyrospilus* (fruittree leafroller)  
combi (50) + Z11-14AC (15) + E11-14AC (10) + Z9-14AC (1)
- *Pandemis Heparana* (fruit tree tortrix moth)  
combi (1) + Z11-14AC (90) + Z9-14AC (5) + Z11-14OH (5) + 1-14AC (1)
- *Diparopsis Castanea* (red bollworm)  
combi (5) + E,E-9,11-12AC (8) + Z,E-9,11-12AC (2) + 11-12AC (2,5) + E9-12AC (0,5)
- *Archips Velutinana* (redbanded leafroller)  
combi (6) + Z11-14AC (100) + E11-14AC (9)  
+ 1-14AC (5) + 11-12AC (3) + Z9-12AC (1) + E9-12AC (2)
- *Loxagrotis Albicosta* (western bean cutworm)  
combi (5) + Z5-12AC (5) + Z7-12AC (1) + 11-12AC (5)
- *Cnephasia Pumicana* (cereal tortrix moth)  
combi (4) + Z9-12AC (4) + E11-12AC (6)
- *Eupoecilia Ambiguella* (european grape berry moth)  
combi (1) + Z9-12AC (1)
- *Hedya Nubiferana* (green budworm)  
combi (9) + E,E-8,10-12AC (55) + Z8-12AC (32) + E8-12AC (5)
- *Homona Coffearia* (tea tortrix)  
combi (1) + E9-12AC (1) + 1-12OH (3)
- *Rhyacionia Buoliana* (european pine shoot moth)  
combi (5) + E9-12AC (50) + E9-12OH (5) + 1-12OH (1)

11-DODECENYL ACETATE

- Archips Velutinana (redbanded leafroller)  
combi (3) + Z11-14AC (100) + E11-14AC (9) + 1-14AC (5) + Z9-12AC (1) + E9-12AC (2) + 1-12AC (6)
- Diparopsis Castanea (red bollworm)  
combi (2,5) + E,E-9,11-12AC (8) + Z,E-9,11-12AC (2) + E9-12AC (0,5) + 1-12AC (5)

E2-DODECENYL ACETATE

Z2-DODECENYL ACETATE

E3-DODECENYL ACETATE

- Scrobipalpa Ocellatella (sugar beet moth)
- Scrobipalpopsis Solanivora  
combi (98) + Z3-12AC (2)

Z3-DODECENYL ACETATE

- Scrobipalpopsis Solanivora  
combi (2) + E3-12AC (98)

E4-DODECENYL ACETATE

Z4-DODECENYL ACETATE

E5-DODECENYL ACETATE

Z5-DODECENYL ACETATE

cas 16676-96-3

- Euxoa Ochrogaster (redbacked cutworm)  
combi (500) + Z5-10AC (1) + Z7-12AC (5) + Z9-12AC (2)
- Cossus Cossus (european goat moth)  
combi (2) + Z3-10AC (1) + Z5-14AC (1)
- Agrotis Orthogonia (pale western cutworm)  
combi (1) + Z7-12AC (2)
- Loxagrotis Albicosta (western bean cutworm)  
combi (5) + Z7-12AC (1) + 11-12AC (5) + 1-12AC (5)

E6-DODECENYL ACETATE

Z6-DODECENYL ACETATE

E7-DODECENYL ACETATE

- Argyroplce Leucotetra (false codling moth)
- Pseudogalleria Leucotetra (false codling moth)  
combi + Z8-12AC + E8-12AC

E-7-DODECENYL ACETATE

cas 16695-41-3

- European pine moth, Black army cutworm,  
Jujube leafroller, false codling moth
- European grapevine moth, as well as other lepidoptera

## Z7-DODECENYL ACETATE

cas 14959-86-5

- Euxoa Ochrogaster (redbacked cutworm)  
combi (5) + Z5-10AC (1) + Z5-12AC (500) + Z9-12AC (2)
- Agrotis Ipsilon (dark sword grass moth/black cutworm/greasy cutworm)  
combi (15) + Z9-14AC (20) + Z11-16AC (10)
- Agrotis Segetum (turnip moth)  
combi (1) + Z5-10AC (1) + Z9-14AC (1)
- Pseudoplusia Inclusens (soybean looper)
- Trichoplusia Ni (cabbage looper/ni moth)  
combi (200) + Z7-14AC (1)
- Chrysodeixis Chalcites (tomato looper/green garden looper)  
combi (67) + Z9-14AC (14) + Z9-12AC (5) + 1-12AC (1,5) + 1-14AC (1) + 1-16AC (16)
- Spodoptera Frugiperda (fall armyworm)  
combi (0,5) + Z9-12AC (0,3) + Z9-14AC (82) + Z11-16AC (18)
- Actebia Fennica (black army cutworm)  
combi (1) + Z11-14AC (1)
- Agrotis Orthogonia (pale western cutworm)  
combi (2) + Z5-12AC (1)
- Autographa Californica (alfalfa looper)  
combi (10) + Z7-12OH (1)
- Autographa Gamma (silver Y moth)  
combi (20) + Z7-12OH (1)

## Z7-DODECENYL ACETATE (continued)

- Loxagrotis Albicosta (western bean cutworm)  
combi (1) + Z5-12AC (5) + 11-12AC (5) + 1-12AC (5)
- Macdunnoughia Confusa (chrysanthemum moth)

## E8-DODECENYL ACETATE

cas 38363-29-0

- Grapholita Molesta (oriental fruit moth)  
combi (7) + Z8-12AC (100)
- Grapholita Packardi (cherry fruit worm)
- Grapholita Prunivora (lesser apple worm)  
combi (2) + Z8-12AC (98)
- Cydia Funebrana (plum fruit moth)  
combi (1) + Z8-12AC (100)
- Cydia Janthinana (hawthorne leafroller)  
combi + Z8-12AC
- Hedya Nubiferana (green budworm)  
combi (5) + E,E-8,10-12AC (55) + Z8-12AC (32) + 1-12AC (9)
- Pseudogalleria Leucotetra (false codling moth)  
combi + E7-12AC + Z8-12AC
- Spilonota Ocellana (eyespot budmoth)  
combi (1) + Z8-12AC (9)

## Z8-DODECENYL ACETATE

cas 28079-04-1

- *Cydia Funebrana* (plum fruit moth)  
combi (100) + E8-12AC (1)
- *Grapholita Molesta* (oriental fruit moth)  
combi (100) + E8-12AC (7)
- *Grapholita Prunivora* (lesser apple worm)  
combi (98) + E8-12AC (2)
- *Agrotis Segetum* (turnip moth)  
combi + Z5-12AC + Z9-14AC
- *Cydia Janthinana* (hawthorne leafroller)  
combi + E8-12AC
- *Hedya Nubiferana* (green budworm)  
combi (32) + E,E-8,10-12AC (55) + E8-12AC (5) + 1-12AC (9)
- *Pseudogalleria Leucotetra* (false codling moth)  
combi + E7-12AC + E8-12AC
- *Spilonota Ocellana* (eyespot budmoth)  
combi (9) + E8-12AC (1)

## E9-DODECENYL ACETATE

cas 35148-19-7

- *Rhyacionia Buoliana* (european pine shoot moth)  
combi (50) + E9-12OH (5) + 1-12AC (5) + 1-12OH (1)
- *Rhyacionia Frustrana* (nantucket pine tip moth)  
combi (96) + E,E-9,11-12AC (4)
- *Rhyacionia Neomexicana* (southwestern pine tip moth)
- *Eucosma Somanana* (western pine shoot borer)  
combi (1) + Z9-12AC (2)
- *Homona Coffearia* (tea tortrix)  
combi (1) + 1-12AC (1) + 1-12OH (3)
- *Archips Velutinana* (redbanded leafroller)  
combi (2) + Z11-14AC (100) + E11-14AC (9) + 1-14AC (5) + 11-12AC (3) +  
Z9-12AC (1) + 1-12AC (6)
- *Sparganothis Pilleriana* (woodbine leafroller moth)  
combi (9) + E11-14AC (7) + Z11-14AC (6)
- *Diparopsis Castanea* (red bollworm)  
combi (0,5) + E,E-9,11-12AC (8) + Z,E-9,11-12AC (2) + 11-12AC (2,5) + 1-12AC (5)

## E9-DODECENYL ACETATE (continued)

- *Cnephasia Pumicana* (cereal tortrix moth)  
combi (6) + Z11-12AC (4) + 1-12AC (4)
- *Enarmonia Formosana* (cherrybark tortrix moth)  
combi (1) + Z9-12AC (1)
- *Endopiza Viteana* (grape berry moth)  
combi (4) + Z9-12AC (96)
- *Epinotia Tedella* (spruce leafroller)  
combi (9) + Z9-12AC (1)

## Z9-DODECENYL ACETATE

cas 16974-11-1

- Spodoptera Frugiperda (fall armyworm)  
combi (0,3) + Z7-12AC (0,5) + Z9-14AC (82)  
Z11-16AC (18)
- Endopiza Viteana (grape berry moth)  
combi (96) + E9-12AC (4)
- Eupoecilia Ambiguella (european grape berry moth)  
combi (1) + 1-12AC (1)
- Eucosma Sonomana (western pine shoot borer)  
combi (2) + E9-12AC (1)
- Homona Magnanima (tea tortrix moth)  
combi (3) + 11-12AC (1) + Z11-14AC (30)
- Chrysodeixis Chalcites (tomato looper/green garden looper)  
combi (5) + Z7-12AC (67) + Z9-14AC (14) + 1-12AC (1,5) + 1-14AC (1) +  
1-16AC (16)
- Archips Velutinana (redbanded leafroller)  
combi (1) + Z11-14AC (100) + E11-14AC (9) + 1-14AC (5) + 11-12AC (3) +  
E9-12AC (2) + 1-12AC (6)
- Euxoa Ochrogaster (redbacked cutworm)  
combi (2) + Z5-10AC (1) + Z5-12AC (500) + Z7-12AC (5)
- Choristoneura Murinana (european fir budworm moth)  
combi (10) + Z11-14AC (1)
- Cnephasia Longana (omnivorous leaftier)
- Cnephasia Pumicana (cereal tortrix moth)  
combi (4) + E9-12AC (6) + 1-12AC (4)
- Cydia Caryana (hickory shuckworm)  
combi + E,E-8,10-12AC
- Enarmonia Formosana (cherrybark tortrix moth)  
combi (1) + E9-12AC (1)
- Epinotia Tedella (spruce leafroller)  
combi (1) + E9-12AC (9)

## E10-DODECENYL ACETATE

- Phyllonorycter Blancardella (spotted tentiform leafminer)
- Gypsonoma Aceriana (poplar shoot moth)  
combi (3) + E10-12OH (1)

## Z10-DODECENYL ACETATE

## 11-DODECENYL ACETATE

cas 35153-10-7

- Diparopsis Castanea (red bollworm)  
combi (2,5) + E,E-9,11-12AC (8) + Z,E-9,11-12AC (2) + E9-12AC (0,5) + 1-12AC (5)
- Loxagrotis Albicosta (western bean cutworm)  
combi (5) + Z5-12AC (5) + Z7-12AC (1) + 1-12AC (5)
- Homona Magnanima (tea tortrix moth)  
combi (1) + Z11-14AC (30) + Z9-12AC (3)

## E11-DODECENYL ACETATE

## Z11-DODECENYL ACETATE

cas 35153-10-7

- Homona Magnanima (tea tortrix moth) combi (3) + Z9-12 AC (9) + Z11-14AC (88)

## Z7-DODECENYL BUTYRATE

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n-DODECYL ACETATE

8-DODECYNOIC ACID

9-DODECYNOIC ACID

5-DODECYNOL

7-DODECYNOL

8-DODECYNOL

9-DODECYNOL

5-DODECYNYL ACETATE

7-DODECYNYL ACETATE

5-DODECYNYL CHLORIDE

7-DODECYNYL CHLORIDE

DORSALURE

- = [METHYL EUGENOL (90) + NALED (5)]
- Grapholita Molesta (oriental fruit fly)

Z,Z,Z-3,6,9-EICOSATRIENE

- Anticarsia Gemmatalis (velvet bean caterpillar)  
combi (5) + Z,Z,Z-3,6,9-Heneicosatriene (3)

Z-7-EICOSENE-11-ONE

- Peach fruit moth (Carposina niponensis)

cas 63408-44-6

Z7-EICOSEN-11-ONE

- Carposina Niponensis (peach fruit moth)  
combi (1) + Z7-Nonadecen-11-one (20)

Z13-EICOSEN-10-ONE

(7S,8R)-cis-7,8-EPOXY-2-METHYLOCTADECANE

- = (-)-DISPARLURE
- Lymantria Monacha (nun moth) : combi (9) + (7R,8S)-cis-7,8-Epoxy-2-Methyloctadecane (1)

(7R,8S)-cis-7,8-EPOXY-2-METHYLOCTADECANE

- = (+)-DISPARLURE
- Lymantria Dispar (gypsy moth)
- Lymantria Monacha (nun moth) : combi (1) + (7S,8R)-cis-7,8-Epoxy-2-Methyloctadecane (9)

2-ETHYL-1,6-DIOXASPIRO[4,4]NONANE

- see CHALCOGRAN

EUGENOL METHYL ETHER

- Eugenol = 2-Methoxy-4-(2-Propenyl)Phenol
- (fruit flies)

(E)- $\beta$ -FARNESENE

cas 18794-84-8

- Aphid Alarm

(Z,E)-FARNESOL

- = (Z,E)-3,7,11-TRIMETHYL-2,6,10-DODECATRIEN-1-OL
- Tetranychus Urticae (two-spotted spider mite)  
combi with Nerolidol

FRONTALIN

- = 1,5-DIMETHYL-6,8-DIOXABICYCLO-[3.2.1]-OCTANE
- Dendroctonus Brevicomis (western pine beetle)  
combi + exo-Brevicommin + Myrcene
- Dendroctonus Frontalis (southern pine beetle)  
combi + Verbenone
- Dendroctonus Pseudotsugae (douglas-fir beetle)  
combi + 3-Methyl-3-Cyclohexenone
- Dendroctonus Rufipennis (spruce beetle)  
combi + Seudenol + 2-Methoxybiphenyl + 3-Methyl-3-Cyclohexenone
- Dendroctonus Terebrans  
combi + endo-Brevicommin + Turpentine

GERMACRENE D

- = (E,E)-(-)-1-METHYL-5-METHYLENE-8-(1-METHYLETHYL)-1,6-CYCLODECADIENE
- Periplaneta Americana (american cockroach)

GOSSYPLURE (pink bollworm)

- See: z,z/z,e-7,11-16AC

GRANDLURE I , II , III , and IV

cas I- 30820-22-5  
cas II- 26532-23-0  
cas III- 26532-25-2  
cas IV-26532-24-1

- I= (Z)-1-METHYL-2-(1 METHYLETHENYL)  
CYCLOBUTANEETHANOL (= GRANDISOL)
- II= (Z)-2-(3,3-DIMETHYLCYCLOHEXYLIDENE)  
ETHANOL
- III= (Z)-(3,3-DIMETHYLCYCLOHEXYLIDENE)  
ACETALDEHYDE
- IV= (E)-(3,3-DIMETHYLCYCLOHEXYLIDENE)  
ACETALDEHYDE
- Anthonomus Grandis (boll weevil)

Z,Z-6,9-HENEICOSADIENE

- Mocis Latipes  
combi + Z,Z,Z-3,6,9-Heneicosatriene



Z,Z,Z-3,6,9-HENEICOSATRIENE

- Anticarsia Gemmatalis (velvet bean caterpillar)  
combi (3) + Z,Z,Z-3,6,9-Eicosatriene (5)
- Mocis Latipes  
combi + Z,Z-6,9-Heneicosadiene

Z9-HENEICOSENE

- Musca Domestica (house fly)

Z6-HENEICOSEN-11-ONE

cas 54844-65-4

- Orgyia Pseudotsugata (douglas fir tussock moth)
- Orgyia Abtiqua (rusty tussock moth)

HEPTACOSANE

E9-HEPTACOSENE

Z9-HEPTACOSENE

Z13-HEPTACOSENE

- Musca Autumnalis (face fly)  
combi + Z13-Nonacosene + Z14-Nonacosene

2-HEPTANONE

- Bee alarm

E11-HEPTADECENOL

Z11-HEPTADECENOL

E11-HEPTADECENYL ACETATE

Z11-HEPTADECENYL ACETATE

11-HEPTADECYNOL

1,7-HEPTANEDIOL

cas 629-30-1

Z,Z-3,13-HEXADECADIENAL

E,Z-6,11-HEXADECADIENAL

- Antheraea Polyphemus (polyphemus moth)  
combi (1) + E,Z-6,11-16AC (9)

Z,E-7,11-HEXADECADIENAL

Z,Z-7,11-HEXADECADIENAL

Z,E-9,11-HEXADECADIENAL

- Diatraea Saccharalis (sugarcane borer)

E,E-10,12-HEXADECADIENAL

- Earias Insulana (spiny bollworm)
- Earias Vittella  
combi (10) + Z11-16AL (2) + Z11-18AL (2)

E,Z-10,12-HEXADECADIENAL

- = BOMBYKAL
- Diaphania Nitidalis (pickle worm)  
combi + E11-16AL + Z11-16AL + E11-16OH + Z11-16OH
- Manduca Sexta (tobacco hornworm/sphinx moth)
- Bombyx Mori (silkworm)

Z,Z-11,13-HEXADECADIENAL

- Amyelois Transitella (naval orange worm)

Z,Z-7,11-HEXADECADIENAL

- Citrus Leafminer (Phyllocnistis citrella)

cas 96833-53-3

E,Z-9,11-HEXADECADIENAL

- Pecan nut casebearer

cas 74728-46-2

Z,E-7,11-HEXADECADIENOL

Z,Z-7,11-HEXADECADIENOL

E,E-10,12-HEXADECADIENOL

E,Z-10,12-HEXADECADIENOL

- = BOMBYKOL
- Bombyx Mori (silkworm)

E,Z-6,11-HEXADECADIENYL ACETATE

- Antheraea Polyphemus (polyphemus moth)  
combi (9) + E,Z-6,11-16AL (1)

Z,Z / Z,E-7,11-HEXADECADIENYL ACETATE

- GOSSYPLURE Z,Z : Z,E = 50 : 50
- Pectinophora Gossypiella (pink bollworm)  
Z,Z : Z,E = 1 : 1
- Panolis Flammea (pine beauty moth)
- Tetranychus Urticae (twospotted spider mite)
- Tetranychus Cinnabarinus (carmen spider mite)
- Pexicopia Malvella (mallow seed moth)  
Z,Z : Z,E = 1 : 3
- Platyedra Subcinerea (cotton stem moth)  
only Z,Z
- Sitotroga Cerealella (angoumois grain moth)  
only Z,E

cas 50933-33-0

Z,Z-7,11-HEXADECADIENYL ACETATE

- Pink-spotted bollworm (Pectinophora scutigera), Platyedra subcinerea  
(cotton stem smoth)

cas 52207-99-5

Z,E-7,11-HEXADECADDIENYL ACETATE cas 53042-79-8  
- Angoumois grain moth (*Sitotroga cerealella*), *Dichomeris oceana*

E,E + E,Z-7,11-HEXADECADIENYL ACETATE

E,E-12,14-HEXADECADIENYL ACETATE

HEXADECANAL

- *Heliothis virescens* (tobacco budworms)  
combi (33) + Z11-16AL (65) + Z9-14AL (2) + Z11-16OH (1)
- *Gortyna xanthenes* (artichoke moth)  
combi (15) + Z11-16AL (500) + Z9-16AL (15)  
+ Z11-16OH (12)
- *Heliothis zea* (corn earworm/tomato fruitworm/bollworm)  
combi (3) + Z11-16AL (67) + Z11-16OH (28) + Z7-16AL (1) + Z9-16AL (2)

Z,Z,E-7,11,13-HEXADECATRIENAL

- Citrus leafminer (*Phyllocnistis citrella*)

E,Z,Z,-4,6,10-HEXADECATIREN-1-OL cas 101373-00-6

- Cocoa Pod Borer Moth (*Conopomorpha cramerella*)

Z5-HEXADECENAL

E7-HEXADECENAL

Z7-HEXADECENAL

- *Heliothis zea* (corn earworm/tomato fruitworm/bollworm)  
combi (1) + Z11-16AL (67) + Z11-16OH (28) + 16AL (3) + Z9-16AL (2)

E9-HEXADECENAL

Z9-HEXADECENAL

- *Heliothis zea* (corn earworm/tomato fruitworm/bollworm)  
combi (2) + Z7-16AL (1) + Z11-16AL (67) + Z11-16OH (28) + 16AL (3)
- *Heliothis armigera* (American bollworm)  
combi (1) + Z11-16AL (25)
- *Chilo suppressalis* (rice stem borer)  
combi (5) + Z11-16AL (50) + Z13-18AL (6)
- *Gortyna xanthenes* (artichoke moth)

Z9-HEXADECENAL (continued)

- combi (15) + Z11-16AL (500) + 16AL (15) + Z11-16OH (12)
- *Diatraea grandiosella* (southwestern corn borer)  
combi (21) + Z11-16AL (71) + Z13-18AL (8)

Z-9-HEXADECENAL

cas 56219-04-6

- Southwestern corn borer, Bluegrass webworm,  
Yellow rice stemborer
- Cotton bollworm, Tobacco budworm, as well as other lepidoptera

E-10-HEXADECENAL \*\*\*

cas 76298-30-7

- Legume pod borer (*Maruca vitrata*)

E11-HEXADECENAL

- Diaphania Nitidalis (Pickleworm)  
combi + Z11-16AL + E11-16OH + Z11-16OH + E,Z-10,12-16AL

Z11-HEXADECENAL

cas 53939-28-9

- Heliothis Zea (corn earworm/tomato fruitworm/bollworm)  
combi (67) + Z11-16OH (28) + 16AL (3) + Z9-16AL (2) + Z7-16AL (1)
- Chilo Suppressalis (rice stem borer)  
combi (50) + Z13-18AL (6) + Z9-16AL (5)
- Heliothis Virescens (tobacco budworm)  
combi (65) + Z9-14AL (2) + Z11-16OL (1) + Hexadecanal (33)
- Plutella Xylostella (diamondback moth)  
combi (10) + Z11-16AC (10) + Z11-16OH (0,1)
- Heliothis Armigera (cotton bollworm)  
combi (25) + Z9-16AL (1)
- Chrysoteuchia Topiaria (sod webworm/cranberry girdler)
- Platyptilia Carduidactyla (artichoke plume moth)
- Chilo Partellus (spotted stalk borer)  
combi (20) + Z11-16OH (3)
- Pseudaletia Unipuncta (army worm)  
combi (0,,5) + Z11-16AC (1000) + Z11-16OH (2) + Z9-14AC (0,1)
- Acrolepiopsis Assectella (leek moth)
- Argyresthia Pruniella
- Crymodes Devastator (glassy cutworm)  
combi (100) + Z11-16AC (50) + Z11-16OH (3)
- Earias Vittella  
combi (2) + E,E-1-,12-16AL (10) + Z11-18AL (2)
- Gortyna Xanthenes (artichoke moth)  
combi (500) + Z9-16AL (15) + 16AL (15) + Z11-16OH (12)
- Heliothis Punctigera (australian bollworm)  
combi (60) + Z11-16AC (25) + Z11-16OH (15)
- Laconobia Suasa  
combi (1) + Z11-16AC (10)
- Orthosia Incerta  
combi (1) + Z9-14AL (9)
- Diaphania Nitidalis (pickleworm)  
combi + E11-16AL + E11-16OH + Z11-16OH + E,Z-10,12-16AL
- Diatraea Grandiosella (southwestern corn borer)  
combi (71) + Z9-16AL (21) + Z13-18AL (8)

Z13-HEXADECENAL

1-HEXADECANOL

- Chilo Zacconius (african rice borer moth)  
combi (2) + Z11-16OH (7) + Z13-18OH (1)

E7-HEXADECENOL

Z7-HEXADECENOL

E9-HEXADECENOL

Z9-HEXADECENOL

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E11-HEXADECENOL

- Diaphania Nitidalis (pickleworm)  
combi + E11-16AL + Z11-16AL + Z11-16OH + E,Z-10,12-16AL

Z11-HEXADECENOL

- Scotogramma Trifolii (clover cutworm)  
combi (1) + Z11-16AC (9)
- Heliothis Virescens (tobacco budworm)  
combi (1) + Z11-16AL (65) + Z9-14AL (2) + Hexadecanal (33)
- Plutella Xylostella (diamondback moth)  
combi (0,1) + Z11-16AL (10) + Z11-16AC (10)
- Chilo Partellus (spotted stalk borer)  
combi (3) + Z11-16AL (20)
- Pseudaletia Unipuncta (army worm)  
combi (2) + Z11-16AC (1000) + Z11-16AL (0,5) + Z9-14AC (0,1)
- Crymodes Devastator (glassy cutworm)  
combi (3) + Z11-16AL (100) + Z11-16AC (50)
- Diciestra Trifolii (clover cutworm)  
combi (1) + Z11-16AC (9)
- Gortyna Xanthenes (artichoke moth)  
combi (12) + Z11-16AL (500) + Z9-16AL (15) + 16AL (15)
- Heliothis Punctigera (australian bollworm)  
combi (15) + Z11-16AL (60) + Z11-16AC (25)
- Heliothis Zea (corn earworm/tomato fruitworm/bollworm)  
combi (28) + Z11-16AL (67) + Z7-16AL (1) + 16AL (3) + Z9-16AL (2)
- Sesamia Nonagrioides  
combi (5) + Z11-16AC (95)
- Chilo Zacconus (african rice borer moth)  
combi (7) + Z13-18OH (1) + 1-16OH (2)
- Diaphania Nitidalis (pickleworm)  
combi + E11-16AL + Z11-16AL + E11-16OH + E,Z-10,12-16AL

E-11-HEXANDECEN-1-OL

cas 61301-56-2

- Tomato fruit borer, Melonworm, Pickleworm, Eggplant borer, Eggfruit caterpillar
- Pink sugarcane borer, as well as other lepidoptera

Z-11-HEXADECEN-1-OL

cas 56683-54-6

- Driedfruit moth, diamondback moth, Bordered straw, Flax budworm,
- Australian bollworm, Cornstalk borer, as well as other lepidoptera

1-HEXADECENYL ACETATE

- Chrysodeixis Chalcites (tomato looper/green garden looper)  
combi (16) + Z7-12AC (67) + Z9-14AC (14) + Z9-12AC (5) + 1-12AC (1,5) + 1-14AC (1)
- Zeiraphera Diniana (larch bud moth)  
combi (2) + 1-14AC (2) + E11-14AC (1)
- Mamestra Brassicae (cabbage armyworm)  
combi (7) + E11-16AC (90) + Z11-16AC (1) + 1-14AC (2)

E3-HEXADECENYL ACETATE

Z3-HEXADECENYL ACETATE

E4-HEXADECENYL ACETATE

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Z4-HEXADECENYL ACETATE

E5-HEXADECENYL ACETATE

Z5-HEXADECENYL ACETATE

E6-HEXADECENYL ACETATE

Z6-HEXADECENYL ACETATE

E7-HEXADECENYL ACETATE

Z7-HEXADECENYL ACETATE

- Euxoa Messoria (darksided cutworm)  
combi (1) + Z11-16AC (20)

Z-7-HEXADECENYL ACETATE

- Striped cutworm (Euxoa tessellate)

cas 23192-42-9

E8-HEXADECENYL ACETATE

Z8-HEXADECENYL ACETATE

E9-HEXADECENYL ACETATE

Z9-HEXADECENYL ACETATE

- Naranga Aenescens (rice green caterpillar)  
combi (1) + Z11-16AC (4) + Z9-14AC (1)

Z-9-HEXADECENYL ACETATE

- Naranga aenescens, Sunira bicolorago

cas 34010-20-3

E10-HEXADECENYL ACETATE

Z10-HEXADECENYL ACETATE

E11-HEXADECENYL ACETATE

- Helcystogramma Macroscopum (sweet potato leafroller)
- Mamestra Brassicae (cabbage armyworm)  
combi (1) + Z11-16AC (90) + 1-16AC (7) + 1-14AC (2)

E-11-HEXADECENYL ACETATE

- Melonworm, Eggplant borer, Tomato fruit borer, European corn borer  
Eggfruit caterpillar
- Sweet potato leafroller, as well as other lepidoptera

cas 56218-72-5

## Z11-HEXADECENYL ACETATE

cas 34010-21-4

- *Lacanobia Oleracea*
- *Scotogramma Trifolii* (clover cutworm)  
combi (9) + Z11-16OH (1)
- *Sesamia Inferens* (purple stem borer)
- *Elasmopalpus lignosellus* (lesser cornstalk borer)  
combi (17) + Z7-14AC (17) + Z9-14AC (9) + 1-14AC (4)
- *Plutella xylostella* (diamondback moth)  
combi (10) + Z11-16AL (10) + Z11-16OH (0,1)
- *Agrotis ipsilon* (dark sword grass moth/black cutworm/greasy cutworm)  
combi (10) + Z7-12AC (15) + Z9-14AC (20)
- *Mamestra configurata* (beet armyworm/berta armyworm)  
combi (19) + Z9-14AC (1)
- *Naranga aeneascens* (rice green caterpillar)  
combi (4) + Z9-16AC (1) + Z9-14AC (1)
- *Peridroma saucia* (variegated cutworm)  
combi (7) + Z9-14AC (3)
- *Pseudaletia unipuncta* (army worm)  
combi (1000) + Z11-16OH (2) + Z11-16AL (0,5) + Z9-14AC (0,1)
- *Spodoptera eridania* (southern army worm)  
combi (3) + Z9-14AC (61) + Z,E-9,12-14AC (17) + Z,Z-9,12-14AC (15) +  
Z,E-9,11-14AC (5)
- *Spodoptera frugiperda* (fall armyworm)  
combi (18) + Z7-12AC (0,5) + Z9-12AC (0,3) + Z9-14AC (82)
- *Spodoptera sunia*  
combi (20) + Z9-14AC (100) + Z,E-9,12-14AC (5) + Z9-14OH (31)
- *Crymodes devastator* (glassy cutworm)  
combi (50) + Z11-16AL (100) + Z11-16OH (3)
- *Dicentra trifolii* (clover cutworm)  
combi (9) + Z11-16OH (1)

## Z11-HEXADECENYL ACETATE

- *Euxoa messoria* (darksided cutworm)  
combi (20) + Z7-16AC (1)
- *Heliothis punctigera* (australian bollworm)  
combi (25) + Z11-16AL (60) + Z11-16OH (15)
- *Lacanobia suasa*  
combi (10) + Z11-16AL (1)
- *Mamestra brassicae* (cabbage armyworm)  
combi (90) + E11-16AC (1) + 1-16AC (7) + 1-14AC (2)
- *Sesamia nonagrioides*  
combi (95) + Z11-16OH (5)

## E12-HEXADECENYL ACETATE

## Z12-HEXADECENYL ACETATE

## E13-HEXADECENYL ACETATE

## Z13-HEXADECENYL ACETATE

## Z13-HEXADECEN-11-YN-1-OL-ACETATE

- *Thaumetopoea pityocampa* (pine processionary moth)

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11-HEXADECYNOIC ACID

HEXANOIC ACID

- Termites trail pheromone

Z-2-HEXENAL

- Myrmicine ant alarm

5-HEXYN-1-OL

4-(4-HYDROXYPHENYL)-2-BUTANONE ACETATE

- See CUELURE

Z7-ICOSENE-10-ONE

Z13-ICOSENE-10-ONE

7-iodoheptanoic acid

IPSDIENOL

cas 35628-00-3

- = 2-METHYL-6-METHYLENE-2,7-OCTADIEN-4-OL
- Ips Typographus (pinebark beetle/eight-toothed engraver beetle)  
combi with cis-2-Verbenol
- Ips Cembrae (larch bark beetle)  
combi with Ipsenol
- Ips Confusus (pine bark beetle)  
combi with Ipsenol + cis-2-Verbenol

IPSENOL

cas 35628-05-8

- = 2-METHYL-6-METHYLENE-7-OCTEN-4-OL
- Ips Pini (pine engraver beetle)
- Ips Cembrae (larch bark beetle)  
combi with Ipsdienol
- Ips Confusus (pine bark beetle)  
combi with Ipsdienol + cis-2-Verbenol

JAPONILURE

- See: [R-(Z)]-5-(1-DECENYL)-DIHYDRO-2-(3h)-FURANONE

LINEATIN

- = 3,3,7-TRIMETHYL-2,9-DIOXATRICYCLO [3.3.1.0<sup>4,7</sup>]-NONANE)
- Trypodendron Lineatum (ambrosia beetle)  
combi with Ethanol

LYCOLURE

1-METHYLBUTYL DECANOATE

- Thyridopteryx Ephemeraeformis (bagworm)

1-METHYLBUTYL E2,4-DIMETHYLPENT-2-ENOATE

- Rhyzopertha Dominica (lesser grain borer)



3-METHYL-2-CYCLOHEXENOL

- = SEUDENOL
- Dendroctonus Rufipennis (spruce beetle)  
combi + Frontalin + o-Phenyl Anisole (=2-Methoxy Biphenyl) + 3-Methyl-3-Cyclohexenone

3-METHYL-2-CYCLOHEXENONE

cas 1193-18-6

- Dendroctonus Rufipennis (spruce beetle)  
combi + Frontalin + o-Phenyl Anisole (=2-Methoxy Biphenyl) + Seudenol
- Dendroctonus Pseudotsugae (douglas-fir beetle)  
combi + Frontalin

(2R,8R)-8-METHYL-2-DECANOL PROPANOATE

- Diabrotica Vigifera Vigifera (western corn rootworm)

10-METHYLDODECENYL ACETATE

METHYL-cis-7r-8s-EPOXY-OCTADECANE

- = (+) DISPARLURE
- Lymantria Dispar (gypsy moth)
- See: (7r,8s)-cis-7,8-EPOXY-2-METHYLOCTADECANE

1-METHYLETHYL-(E,E)-2,4-DIMETHYL-2,4-HETPTADIENOATE

- Prostophanus Truncatus (grain borer)  
combi + 1-Methyl-(E)-2-Methyl-2-Pentenoate

METHYL EUGENOL

- = 1,2-Dimethoxy-4-(2-Propenyl)Phenol
- Dacus Dorsalis (oriental fruit fly)

2-METHYLHEPTADECANE

- Holomelina Aurantiaca (tiger moth)

(-)-4-METHYL-3-HEPTANOL

- Scolytus Multistriatus (european elm bark beetle)  
combi +  $\alpha$ -Multistriatin
- Scolytus Scolytus (larger european elm bark beetle)  
combi +  $\alpha$ -Multistriatin
- Scolytus Pygmaeus  
combi +  $\alpha$ -Multistriatin

6-METHYL-5-HEPTEN-2-ONE

- Ant alarm

6-METHYL-5-HEPTEN-2-OL

- = SULCATOL
- Gnathotrichus Sulcatus (ambrosia beetle)  
combi (50) + Ethanol (50)

E14-METHYL-8-HEXADECENAL

- Trogoderma Granarium (khapra beetle)  
combi (92) + Z14-Methyl-8-Hexadecenal (8)

Z14-METHYL-8-HEXADECENAL

cas 60609-53-2

- Trogoderma Variabile (warehouse beetle)
- Trogoderma Granarium (khapra beetle)  
combi (8) + E14-Methyl-8-Hexadecenal (92)
- Trogoderma Inclusum  
combi + Z14-Methyl-8-Hexadecenol

Z14-METHYL-8-HEXADECENOL

- Trogoderma Inclusum  
combi + Z14-Methyl-8-Hexadecenal

8-METHYLENE-5-(1-METHYLETHYL)-SPIRO[11-OXABICYCLO{8.1.0}UNDEC-6-ENE-2,2'-OXIRAN]-3-ONE

- see PERIPLANONE B

3-METHYLENE-7-METHYL-7-OCTEN-1-OL PROPANOATE

- Quadraspidotus Perniciosus (san jose scale)  
combi + (Z)-3,7-Dimethyl-2,7-Octadien-1-ol propanoate

(E,E)-(-)-1-METHYL-5-METHYLENE-8-(1-METHYLETHYL)-1,6-CYCLODECADIENE

- see GERMACRENE D

2-METHYL-6-METHYLENE-7-OCTEN-4-OL

- see IPSENOL

2-METHYL-6-METHYLENE-2,7-OCTADIEN-4-OL

- see IPSDIENOL

3-METHYL-6-METHYLENE-2,7-OCTADIEN-4-OL

7-METHYL-3-METHYLENE-1,6-OCTADIENE

- see MYRCENE

[6R-(Z)]-3-METHYL-6-(1-METHYLETHENYL)-3,9-DECADIEN-1-OL ACETATE

- Aonidiella Aurantii (california redscale)  
combi + see next

(3S,6R)-3-METHYL-6-(1-METHYLETHENYL)-9-DECEN-1-OL ACETATE

- Aonidiella Aurantii (california redscale)  
combi + see previous

1-METHYL-(E)-2-METHYL-2-PENTENOATE

- Prostephanus Truncatus (grain borer)  
combi 1-Methylethyl-(E,E)-2,4-Dimethyl-2,4-Heptadienoate

E7-METHYLENE-3,8-NONADIEN-5-OL

d-(1-METHYLPROPYL)-Z7-TETRADECENOATE

- Harrisina Brillians (western grapeleaf skeletonizer)

14-METHYL-1-OCTADECENE

2-METHYL-Z7-OCTADECENE

2-(E)-4(4-METHYL-3-PENTENYLIDENE)-BUTANEDIOL

- =  $\beta$ -Acaridial
- Caloglyphus Poly (acarid mite)

4-METHYLPYRROLE-2-CARBOXYLIC ACID METHYL ESTER

- = (Methyl-4-methylpyrrole-2-carboxylic acid) (crystal)
- ant trail pheromone

(R)-10-METHYL-2-TRIDECANONE

- Diabrotica Undecimpunctata (southern corn rootworm)

$\alpha$ -MULTISTRIATIN

- = (1s,2r,4s,5r)-(-)- $\alpha$ -2,4-Dimethyl-5-ethyl-6,8-Dioxabicyclo[3.2.1]Octane
- Scolytus Scolytus (larger european elm bark beetle)  
combi with (-)-4-Methyl-3-Heptanol
- Scolytus Multistriatus (smaller european elm bark beetle)  
combi with (-)-4-Methyl-3-Heptanol
- Scolytus Pygmaeus  
combi with (-)-4-Methyl-3-Heptanol

MUSCALURE

- see: Z-9-Tricosene

MYRCENE

- = 7-Methyl-3-Methylene-1,6-Octadiene
- Dendroctonus Brevicomis (western pine beetle)  
combi + exo-Brevicomis + Frontalin
- Dendroctonus Ponderosae (mountain pine beetle)  
combi + cis-2-Verbenol + exo-Brevicomis

NEROLIDOL

- = 3,7,11-TRIMETHYL-1,6,10-DODECATRIEN-3-OL
- Tetranychus Urticae (two-spotted spidermite)  
combi + (Z,E)-Farnesol

NONACOSANE

9-NONACOSENE

Z13-NONACOSENE

- Musca Autumnalis (face fly)  
combi + Z13-Heptacosene + Z14-Nonacosene

Z14-NONACOSENE

- Musca Autumnalis (face fly)  
combi + Z13-Nonacosene + Z13-Heptacosene

Z,Z,Z-3,6,9-NONADECATRIENE

- Operophtera Brumata (winter moth)

Z9-NONADECENE

- Dacus Oleae (olive fly)  
combi + Z6-Nonenol + Z9-Tricosene

Z7-NONADECEN-11-ONE

- Carposina Niponensis (peach fruit moth)  
combi (20) + Z7-Eicosen-11-one (1)

Z12-NONADECEN-9-ONE

NONANAL

- Galleria Mellonella (greater waxmoth)  
combi + UNDECANAL

1-NONANOL

Z6-NONENOL

- Dacus Oleae (olive fly)  
combi + Z9-Nonadecene + Z9-Tricosene

E,Z-3,13-OCTADECADIENOL

- Synanthedon Bibionipennis (strawberry crown moth)  
combi (1) + E,Z-3,13-18AC (2)
- Paranthrene Tabaniformis (dusky clearwing moth)
- Pennisetia Hylaeiformis (rasberry clearwing moth)  
combi (1) + E,Z-3,13-18AC (1)

Z,Z-3,13-OCTADECADIENOL

E,E-2,13-OCTADECADIENYL ACETATE

E,Z-2,13-OCTADECADIENYL ACETATE

- Vitacea Polistiformis (grape root borer)
- Synanthedon Tipuliformis (currant borer)  
combi (93) + Z13-18AC (7)
- Zeuzerea Pyrina (Tigermoth)  
combi (204) + Z,E-3,13-18AC (10,5)

Z,E-2,13-OCTADECADIENYL ACETATE

Z,Z-2,13-OCTADECADIENYL ACETATE

E,E-3,13-OCTADECADIENYL ACETATE

- Synanthedon Myopiformis (apple clearwing moth)  
combi (9) + Z,Z-3,13-18AC (95) + E,Z-3,13-18AC (2) + Z,E-3,13-18AC (2)

E,Z-3,13-OCTADECADIENYL ACETATE

- Synanthedon Pictipes (lesser peachtree borer)
- Pennisetia Hylaeiformis (raspberry clearwing moth)  
combi (1) + E,Z-3,13-18OH (1)
- Synanthedon Bibionipennis (strawberry crown moth)  
combi (2) + E,Z-3,13-18OH (1)
- Synanthedon Exitiosa (greater peachtree borer)  
combi (4) + Z,Z-3,13-18AC (96)
- Synanthedon Hector (cherrytree borer)  
combi (1) + Z,Z-3,13-18AC (1)
- Synanthedon Myopiformis (apple clearwing moth)  
combi (2) + Z,Z-3,13-18AC (95) + Z,E-3,13-18AC (2) + E,E-3,13-18AC (9)
- Synanthedon Rhododendri (rhododendron borer)  
combi (1) + Z,Z-3,13-18AC (49)
- Synanthedon Vespiformis  
combi (9) + Z,Z-3,13-18AC (1)
- Zeuzerea Pyrina (Tiger moth)  
combi (10,5) + Z,E-2,13-18AC (204)

Z,E-3,13-OCTADECADIENYL ACETATE

- Synanthedon Myopiformis (apple clearwing moth)  
combi (2) + Z,Z-3,13-18AC (95) + E,Z-3,13-18AC (2) + E,E-3,13-18AC (9)

Z,Z-3,13-OCTADECADIENYL ACETATE

- Paranthrene Simulans (oak borer)
- Podosesia Syringae (lilac borer/ash borer)
- Synanthedon Exitiosa (greater peachtree borer)  
combi (96) + E,Z-3,13-18AC (4)
- Synanthedon Hector (cherrytree borer)  
combi (1) + E,Z-3,13-18AC (1)
- Synanthedon Myopiformis (apple clearwing moth)  
combi (95) + E,E-3,13-18AC (9) + E,Z-3,13-18AC (2) + Z,E-3,13-18AC (2)
- Synanthedon Rhododendri (rhododendron borer)  
combi (49) + E,Z-3,13-18AC (1)
- Synanthedon Vespiformis  
combi (1) + E,Z-3,13-18AC (9)

OCTADECADYL ACETATE

Z,Z,Z-3,6,9-OCTADECATRIENE

Z11-OCTADECENAL

- Earias Vittella  
combi (2) + E,E-10-12-16AC (10) + Z11-16AL (2)
- Achroia Grisella (leser waxmoth)  
combi + 11AL

E13-OCTADECENAL

Z13-OCTADECENAL

- Chilo Suppressalis (rice stem borer)  
combi (6) + Z11-16AL (50) + Z9-16AL (5)
- Diatraea Grandiosella (southwestern corn borer)  
combi (8) + Z9-16AL (21) + Z11-16AL (71)

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Z-13-OCTADECANAL cas 58594-45-9  
- Soutwestern corn borer, European sunflower moth, Asiatic rice borer,  
Mexican rice borer  
- Honeydew moth, as well as other lepidoptera

Z9-OCTADECENOL

Z11-OCTADECENOL

E13-OCTADECENOL

Z13-OCTADECENOL  
- Chilo Sacchariphagus  
combi (4,5) + Z13-18AC (49)  
- Chilo Zaconius (african rice borer moth)  
combi (1) + Z11-16OH (7) + 1-16OH (2)

E3-OCTADECENYL ACETATE

Z3-OCTADECENYL ACETATE

E9-OCTADECENYL ACETATE

Z9-OCTADECENYL ACETATE

E11-OCTADECENYL ACETATE

Z11-OCTADECENYL ACETATE

E13-OCTADECENYL ACETATE

Z13-OCTADECENYL ACETATE cas 60037-58-3  
- Chilo Sacchariphagus  
combi (49) + Z13-18OH (4,5)  
- Synanthedon Tipuliformis (currant borer)  
combi (7) + E,Z-2,13-18AC (93)

E15-OCTADECENYL ACETATE

Z15-OCTADECENYL ACETATE

3-OCTANONE  
- myrmicine ants (alarm pheromone)

Z9-PENTACOSENE  
- Fannia Canicularis (lesser house fly)

E4-PENTADECENYL ACETATE

Z4-PENTADECENYL ACETATE

E5-PENTADECENYL ACETATE

Z5-PENTADECENYL ACETATE

E6-PENTADECENYL ACETATE

Z6-PENTADECENYL ACETATE

E7-PENTADECENYL ACETATE

Z7-PENTADECENYL ACETATE

E8-PENTADECENYL ACETATE

Z8-PENTADECENYL ACETATE

E9-PENTADECENYL ACETATE

Z9-PENTADECENYL ACETATE

E10-PENTADECENYL ACETATE

Z10-PENTADECENYL ACETATE

E11-PENTADECENYL ACETATE

Z11-PENTADECENYL ACETATE

E12-PENTADECENYL ACETATE

Z12-PENTADECENYL ACETATE

E13-PENTADECENYL ACETATE

Z13-PENTADECENYL ACETATE

E2-PENTENAL

PERIPLANONE B

- = 8-METHYLENE-5(1-METHYLETHYL)-SPIRO[11-OXA-BICYCLO{8.1.0}UNDEC-6-ENE-2,2'-OXIRAN]-3-ONE
- Blatta Orientalis (oriental cockroach)
- Periplaneta Americana (american cockroach)  
combi + Germacrene D

PHENETHYL PROPANOATE

- = BENZENE ETHANOL PROPANOATE
- synthetic attractant for Popillia Japonica (japanese beetle)

PROPYL CYCLOHEXANEACETATE

- Blattella Germanica (german cockroach)  
(synthetic attractant)

SERRICORNIN

- Lasioderma Serricorne (cigarette beetle)

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SUEDENOL

- = (+) and (-) 3-METHYL-2-CYCLOHEXENOL
- Dendroctonus Rufipennis (spruce beetle)  
combi with Frontalin + o-Phenyl Anisole + 3-Methyl-3-Cyclohexen-1-one

SULCATOL

- = (S)-(+)-and/or (R)-(-)-6-METHYL-5-HEPTEN-2-OL
- Gnathotrichus Sulcatus (ambrosia beetle)  
combi (50) + Ethanol (50)

E,Z-8,10-TETRADECADIENAL

- Horse Chestnut Leafminer (Cameraria ohridella)

cas 247167-79-9

Z,Z-9,11-TETRADECADIENAL

Z,E-9,12-TETRADECADIENAL

E,Z-3,5-TETRADECADIENOIC ACID

- Attagenus Unicolor (black carpet beetle)

E,Z-9,11-TETRADECADIENOL

Z,E-9,11-TETRADECADIENOL

- Dioryctria Abietella (cone pyralid)  
combi (1) + Z,E-9,11-14AC (5)

cas 51937-00-9

Z,E-9,12-TETRADECADIENOL

- Anagasta Kuehniella (mediterranean flour moth)  
combi + Z,E-9,12-14AC
- Ephestia Elutella (tobacco moth/cocoa moth)  
combi (1) + Z,E-9,12-14AC (10)
- Plodia Interpunctella (indian meal moth)  
combi (3) + Z,E-9,12-14AC (8)
- Cadra Cautella (almond moth/fig moth)  
combi + Z,E-9,12-14AC + Z9-14AC
- Homoeosoma Electellum (sunflower moth)  
combi + Z-9-14OH + 1-14OH

Z,Z-5,8-TETRADECADIEN-13-OLIDE

- Oryzaephilus Surinamensis (sawtoothed grain beetle)  
combi + Z,Z-3,6-Dodecadien-11-olide + Z,Z-3,6-Dodecadienolide

Z,E-3,5-TETRADECADIENYL ACETATE

- Prionoxystus Robiniae (carpenter worm)

E,E-9,11-TETRADECADIENYL ACETATE

- Epiphyas Postvittana (light brown apple moth)  
combi (0,7) + E11-14AC (13)



Z,E-9,11-TETRADECADIENYL ACETATE

- Spodoptera Littoralis (egyptian cotton leafworm)  
combi (1000) + Z,E-9,12-14AC (3)
- Spodoptera Litura (tobacco cutworm)  
combi (50) + Z,E-9,12-14AC (7)
- Spodoptera Eridania (southern army worm)  
combi (5) + Z9-14AC (61) + Z,E-9,12-14AC (17) + Z,Z-9,12-14AC (15) + Z11-16AC (3)
- Dioryctria Abietella (cone pyralid)  
combi (5) + Z,E-9,11-14OH (1)

Z,E-9,12-TETRADECADIENYL ACETATE

cas 31654-77-0

- Cadra Figulilella (raisin moth)
- Anagasta Kuehniella (mediterranean flour moth)  
combi + Z,E-9,12-14OH
- Ephestia Elutella (tobacco moth/cocoa moth)  
combi (10) + Z,E-9,12-14OH (1)
- Spodoptera Exigua (beet armyworm/african armyworm)  
combi (10) + Z9-14OH (1)
- Plodia interpunctella (indian meal moth)  
combi (8) + Z,E-9,12-14OH (3)
- Cadra cautella (almond moth/fig moth)  
combi + Z,E-9,12-14OH + Z9-14AC
- Spodoptera exempta (nutgrass armyworm)  
combi (1) + Z9-14AC (20)

Z,E-9,12-TETRADECADIENYL ACETATE (continued)

- Spodoptera Litura (tobacco cutworm)  
combi (7) + Z,E-9,11-14AC (50)
- Spodoptera Littoralis (egyptian cotton leafworm)  
combi (3) + Z,E-9,11-14AC (1000)
- Spodoptera Eridania (southern armyworm)  
combi (17) + Z9-14AC (61) + Z,Z-9,12-14AC (15) + Z,E-9,11-14AC (5) + Z11-16AC (3)
- Spodoptera Sunia  
combi (5) + Z9-14AC (100) + Z9-14OH (31) + Z11-16AC (20)

Z,Z-9,12-TETRADECADIENYL ACETATE

- Spodoptera Eridania (southern armyworm)  
combi (15)+Z9-14AC (61)+Z,E-9,12-14AC (17)+Z,E-9,11-14AC (5)+Z11-16AC (3)

E,E-10,12-TETRADECADIENYL ACETATE

TETRADECANAL

cas 124-25-4

1-TETRADECANOL

- Homoeosoma Electellum (sunflower moth)  
combi + Z,E-9,12-14OH + Z9-14OH
- Cydia pomonella (codling moth)  
combi (8) + E,E-8,10-12OH (60) + E9-12OH (3) + 1-12OH (19)

E,Z-3,8-TETRADECADIENYL ACETATE

- Tomato Leafminer

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E,Z,Z,-3,8,11 TETRADECATRIENYL ACETATE

- Tomato leafminer

E,Z-3,5-TETRADECADIENYL ACETATE

cas 61360-85-8

- Brazilian Apple Leafroller (Bonagota cranaodes)

E,Z-4,10-TETRADECADIENYL ACETATE

- Lithocolletis ringoniella

Z,E-9,11-TETRADECADIENYL ACETATE

cas 50767-79-8

- Fir coneworm, Southern armyworm, Egyptian cotton leafworm, as well as other lepidoptera

Z,E-9, 12-TETRADECADIENYL ACETATE

cas 30507-70-1

- Indian meal moth, Nediterranean flour fmoth, Tobacco moth, Raisin moth, Almond moth, Beet armyworm, as well as other lepidoptera

Z5-TETRADECENAL

E7-TETRADECENAL

Z7-TETRADECENAL

- Prays Oleae (olive moth)
- Prays Citri (citrus flower moth)

Z-7-TETRADECENAL

cas 65128-96-3

- Citrus flower moth, W-marked cutworm, Olive moth, Horse chestnut leaf-miner
- Henry's marsh, Citrus Blossom moth, as well as other lepidoptera

E-9-TETRADECENAL

Z9-TETRADECENAL

- Heliothis Virescens (tobacco budworm)  
combi (2) + Z11-16AL (65) + Hexadacanal (33) + Z11-16OH (1)
- Orthosia Hibisci (speckled green fruitworm)  
combi (100) + Z11-14AL (1)
- Orthosia Incerta  
combi (9) + Z11-16AL (1)

Z-9-TETRADECENAL

cas 53939-27-8

- Bordered straw, Tobacco budworm, Four-spotted, Carob moth, Iris borer
- Cotton bollworm, American plum borer, as well as other lepidoptera

E11-TETRADECENAL

- Choristoneura Fumiferana (spruce budworm)  
combi (95) + Z11-14AL (5)
- Choristoneura Occidentalis (western spruce budworm)  
combi (200) + Z11-14AL (18) + E11-14AC (4)

Z11-TETRADECENAL

- Choristoneura Fumiferana (spruce budworm)  
combi (5) + E11-14AL (95)
- Choristoneura Occidentalis (western spruce budworm)  
combi (18) + E11-14AL (200) + E11-14AC (4)
- Choristoneura Sorbiana  
combi (1) + Z11-14OH (1)

Z11-TETRADECENAL (continued)

- Orthosia Hibisci (speckled green fruitworm)  
combi (1) + Z9-14AL (100)
- Argyrotaenia Citrana (orange tortrix)  
combi (1) + Z11-14AC (15)

Z-11-TETRADECENAL

cas 35237-64-0

- Cotton bollworm, Orange tortrix, South american torticid moth,  
Eastern spruce budworm
- Western spruce budworm, as well as other lepidoptera

E&Z-11-TETRADECENAL

cas Mixture

- Spruce budworm, as well as other lepidoptera

E12-TETRADECENAL

Z12-TETRADECENAL

Z9-TETRADECENOIC ACID, ISOPROPYLESTER

E5-TETRADECENOL

Z5-TETRADECENOL

E7-TETRADECENOL

Z7-TETRADECENOL

Z-7-TETRADECEN-2-ONE

cas 146955-45-5

- Oriental beetle (*Exomala orientalis*)

E8-TETRADECENOL

Z8-TETRADECENOL

E9-TETRADECENOL

## Z9-TETRADECENOL

cas 35153-15-2

- Homoeosoma Electellum (sunflower moth)  
combi + Z,E-9,12-14OH + 1-Tetradecanol
- Euzophera Bigella  
combi (3) + Z9-14AC (1)
- Sesamia Cretica (dura stem borer)  
combi (3) + Z9-14AC (1)
- Spodoptera Exigua (beet armyworm/african armyworm)  
combi (1) + Z,E-9,12-14AC (10)
- Cacoecimorpha Pronubana (carnation tortrix moth)  
combi (1) + Z11-14AC (18) + Z11-14OH (1) + 1-14AC (20)
- Spodoptera Sunia  
combi (31) + Z9-14AC (100) + Z,E-9,12-14AC (5) + Z11-16AC (20)
- Ephichoristodes Acerbella (south african carnation tortrix)  
combi (1) + Z11-14AC (8) + Z9-14AC (2) + Z11-14OH (1)

## E10-TETRADECENOL

## Z10-TETRADECENOL

## E11-TETRADECENOL

cas 35153-18-5

- Platynota Flavedana (variegated leafroller)  
combi (9) + Z11-14OH (1)
- Platynota Idaeusalis (tufted apple bud moth)  
combi (2) + E11-14AC (1)
- Pandemis Cerasana  
combi (10) + Z11-14AC (21) + E11-14AC (64) + Z11-14OH (3) + 1-14AC (2)
- Choristoneura Lafauryana (soybean tortrix moth)  
combi (1) + Z11-14OH (9)

## Z11-TETRADECENOL

cas 34010-15-6

- Platynota Flavedana (variegated leafroller)  
combi (1) + E11-14OH (9)
- Pandemis Cerasana  
combi (3) + Z11-14AC (21) + E11-14AC (64) + E11-14OH (10) + 1-14AC (2)
- Cacoecimorpha Pronubana (carnation tortrix moth)  
combi (1) + Z11-14AC (18) + Z9-14OH (1) + 1-14AC (20)
- Choristoneura Lafauryana (soybean tortrix moth)  
combi (9) + E11-14OH (1)
- Archips Rosanus (rose twist moth/filbert leafroller/european leafroller)  
combi (10) + Z11-14AC (100) + E11-14AC (0,1)
- Ephichoristodes Acerbella (south african carnation tortrix)  
combi (1) + Z11-14AC (8) + Z9-14AC (2) + Z9-14OH (1)
- Pandemis Heparana (fruit tree tortrix moth)  
combi (5) + Z11-14AC (90) + Z9-14AC (5) + 1-12AC (1) + 1-14AC (1)
- Archips Pulchellana (fruit tree tortrix moth)  
combi (2) + Z11-14AC (76) + E11-14AC (19) + 1-14AC (5)
- Choristoneura Sobiana  
combi (1) + Z11-14AL (1)
- Ptycholoma Lecheana (orchard tortrix moth)  
combi (3) + Z11-14AC (1)
- Rhopobota Unipunctana (blackheaded fireworm)  
combi (1) + Z11-14AC (3)

E12-TETRADECENOL

Z12-TETRADECENOL

1-TETRADECENYL ACETATE

- Cacoecimorpha Pronubana (carnation tortrix moth)  
combi (20) + Z11-14AC (18) + Z11-14OH (1) + Z9-14OH (1)
- Pandemis Cerasana  
combi (2) + Z11-14AC (21) + E11-14AC (64) + E11-14OH (10) + Z11-14OH (3)
- Elasmopalpus lignosellus (lesser cornstalk borer)  
combi (4) + Z7-14AC (17) + Z9-14AC (9) + Z11-16AC (17)
- Chrysodeixis Chalcites (tomato looper/green garden looper)  
combi (1) + Z7-12AC (67) + Z9-14AC (14) + Z9-12AC (5) + 1-12AC (1,5) + 1-16AC (16)
- Pandemis Heparana (fruit tree tortrix moth)  
combi (1) + Z11-14AC (90) + Z9-14AC (5) + Z11-14OH (5) + 1-12AC (1)
- Archips Breviplicanus (asiatic leafroller)  
combi (3) + E11-14AC (20) + Z11-14AC (9)
- Archips Semiferanus (oak leafroller)  
combi (50) + E11-14AC (67) + Z11-14AC (33)
- Archips Pulchellana (fruit tree tortrix moth)  
combi (5) + Z11-14AC (76) + E11-14AC (19) + Z11-14OH (2)
- Archips Velutinana (redbanded leafroller)  
combi (5) + Z11-14AC (100) + E11-14AC (9) + 11-12AC (3) + Z9-12AC (1) + E9-12AC (2) + 1-12AC (6)
- Zeiraphera Diniana (larch bud moth)  
combi (2) + E11-14AC (1) + 1-16AC (2)
- Mamestra Brassicae (cabbage armyworm)  
combi (2) + Z11-16AC (90) + E11-16AC (1) + 1-16AC (7)

E2-TETRADECENYL ACETATE

Z2-TETRADECENYL ACETATE

E3-TETRADECENYL ACETATE

Z3-TETRADECENYL ACETATE

E4-TETRADECENYL ACETATE

Z4-TETRADECENYL ACETATE

E5-TETRADECENYL ACETATE

Z5-TETRADECENYL ACETATE

cas 35153-13-0

- Agrotis Exclamationis (heart and dart moth/exclamator cutworm)  
combi (100) + Z9-14AC (15)
- Xestia C-Nigrum (c-nigrum moth)  
combi (5) + Z7-14AC (100)
- Euxoa Auxillaris (army cutworm)  
combi (100) + Z7-14AC (1) + Z9-14AC (10)
- Cossus Cossus (european goat moth)  
combi (1) + Z3-10AC (1) + Z5-12AC (2)
- Noctua Comes

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E6-TETRADECENYL ACETATE

Z6-TETRADECENYL ACETATE

E7-TETRADECENYL ACETATE

Z7-TETRADECENYL ACETATE

cas 16974-10-0

- Xestia Dolosa (large spotted cutworm)
- Xestia C-Nigrum (c-nigrum moth)  
combi (100) + Z5-14AC (5)
- Trichoplusia Ni (cabbage looper/ni moth)  
combi (1) + Z7-12AC (200)
- Euxoa Auxillaris (army cutworm)  
combi (1) + Z5-14AC (100) + Z9-14AC (10)
- Elasmopalpus lignosellus (lesser cornstalk borer)  
combi (17) + Z9-14AC (9) + Z11-16AC (17) + 1-14AC (4)

E8-TETRADECENYL ACETATE

Z8-TETRADECENYL ACETATE

Z-8-TETRADECENYL ACETATE

cas 35835-80-4

- Aspen leafroller, Larch shoot, Oak olethreutid leafroller,  
Eye-spotted budmoth
- Brownheaded leafroller, as well as other lepidoptera

E9-TETRADECENYL ACETATE

E-9-TETRADECENYL ACETATE

cas 23192-82-7

- Blister coneworm, Spruce budmoth, Summerfruit tortrix,  
Fall armyworm
- European corn borer as well as other lepidoptera

Z9-TETRADECENYL ACETATE

cas 16725-53-4

- Bryotropha Similis
- Agrotis Exclamationis (heart and dart moth/exclamator cutworm)  
combi (15) + Z5-14AC (100)
- Agrotis Ipsilon (dark sword grass moth/black cutworm/greasy cutworm)  
combi (20) + Z7-12AC (15) + Z9-16AC (10)
- Agrotis Segetum (turnip moth)  
combi (1) + Z5-10AC (1) + Z7-12AC (1)
- Euzophera Bigella  
combi (1) + Z9-14OH (3)
- Sesamia Cretica (dura stemborer)  
combi (1) + Z9-14OH (3)
- Euxoa Auxillaris (army cutworm)

Z9-TETRADECENYL ACETATE (continued)

- combi (10) + Z5-14AC (100) + Z7-14AC (1)
- Elasmopalpus lignosellus (lesser cornstalk borer)  
combi (9) + Z7-14AC (17) + Z11-16AC (17) + 1-14AC (4)
- Busseola fusca (maize stalk borer)  
combi (2) + Z11-14AC (10) + E11-14AC (2)
- Chrysodeixis chalcites (tomato looper/green garden looper)  
combi (14) + Z7-12AC (67) + Z9-12AC (5) + 1-12AC (1,5) + 1-14AC (1) + 1-16AC (16)
- Laconobia pisi  
combi (1) + Z11-14AC (1)
- Mamestra configurata (beet armyworm/bertha armyworm)  
combi (1) + Z11-16AC (19)
- Naranga aeneascens (rice green caterpillar)  
combi (1) + Z11-16AC (4) + Z9-16AC (1)
- Noctua fimbriata  
combi (1) + Z11-14AC (9)
- Orthosia gothica  
combi (20) + Z11-14AC (1)
- Panolis flammea (pine beauty moth)  
combi (100) + Z11-14AC (5)
- Peridroma saucia (variegated cutworm)  
combi (3) + Z11-16AC (7)
- Psedaleia unipuncta (armyworm)  
combi (0,1) + Z11-16AC (1000) + Z11-16OH (2) + Z11-16AL (0,5)
- Spodoptera eridania (southern armyworm)  
combi(61)+Z,E-9,12-14AC(17)+Z,Z-9,12-14AC(15)+Z,E-9,11-14AC(5)+Z11-16AC(3)
- Spodoptera exempta (nutgrass armyworm)  
combi (20) + Z,E-9,12-14AC (1)
- Spodoptera frugiperda (fall armyworm)  
combi (82) + Z7-12AC (0,5) + Z9-12AC (0,3) + Z11-16AC (18)
- Spodoptera sunia  
combi (100) + Z,E-9,12-14AC (5) + Z9-14OH (31) + Z11-16AC (20)
- Cadra cautella (fig moth/almond moth)  
combi + Z,E-9,12-14AC + Z,E-9,12-14OH
- Adoxophyes orana (summerfruit tortrix)  
combi (9) + Z11-14AC (1)
- Archips argyrospilus (fruittree leafroller)  
combi (1) + Z11-14AC (15) + E11-14AC (10) + 1-12AC (50)
- Archips crataeganus  
combi (25) + Z11-14AC (75)
- Clepsis spectrana (cabbage leafroller/cyclamen-tortrix)  
combi (1) + Z11-14AC (3)
- Ephichoristodes acerbella (south african carnation tortrix)  
combi (2) + Z11-14AC (8) + Z11-14OH (1) + Z9-14OH (1)
- Pandemis heparana (fruit tree tortrix moth)  
combi (5) + Z11-14AC (90) + Z11-14OH (5) + 1-12AC (1) + 1-14AC (1)
- Pandemis limitata (threelined leafroller)  
combi (9) + Z11-14AC (91)
- Pandemis pyrusana  
combi (6) + Z11-14AC (94)

E10-TETRADECENYL ACETATE

- Endothenia Quadrimaculana (stachis tortrix moth)  
combi (9) + Z10-14AC (1)

Z10-TETRADECENYL ACETATE

- Endothenia Quadrimaculana (stachis tortrix moth)  
combi (1) + E10-14AC (9)

Z-10-TETRADECENYL ACETATE

cas 35153-16-3

- Lithocolletis ringoniella

E11-TETRADECENYL ACETATE

cas 33189-72-9

- Platynota Stultana (omnivorous leafroller)  
combi (88) + Z11-14AC (12)
- Platynota Idaeusalis (tufted apple bud moth)  
combi (1) + E11-14OH (2)
- Pandemis Cerasana  
combi (64) + Z11-14AC (21) + E11-14OH (10) + Z11-14OH (3) + 1-14AC (2)
- Archips Rosanus (rose twist moth/filbert leafroller/european leafroller)  
combi (0,1) + Z11-14AC (100) + Z11-14OH (10)
- Busseola Fusca (maize stalk borer)  
combi (2) + Z11-14AC (10) + Z9-14AC (2)
- Archips Argyrospilus (fruitree leafroller)  
combi (10) + Z11-14AC (15) + Z9-14AC (1) + 1-12AC (50)
- Cochylis Hospes (banded sunflower moth)  
combi (5) + Z11-14AC (1)
- Evergestis Forficalis (garden pebble moth)
- Loxostege Sticticalis (beet webworm)
- Ostrinia Nubilalis (european corn borer)  
E-strain : combi (97) + Z11-14AC (3)  
Z-strain : combi (3) + Z11-14AC (97) [europe]  
EZ-strain : combi (50) + Z11-14AC (50)
- Archips Breviplicanus (asiatic leafroller)  
combi (20) + Z11-14AC (9) + 1-14AC (3)
- Archips Podanus (fruit tree tortrix)  
combi (1) + Z11-14AC (1)
- Archips Semiferanus (oak leafroller)  
combi (67) + Z11-14AC (33) + 1-14AC (50)
- Archips Xylosteanus  
combi (2) + Z11-14AC (8)
- Archips Pulchellana (fruit tree tortrix moth)  
combi (19) + Z11-14AC (76) + 1-14AC (5) + Z11-14OH (2)
- Archips Velutinana (redbanded leafroller)  
combi (9) + Z11-14AC (100) + 1-14AC (5) + 11-12AC (3) + Z9-12AC (1) +  
E9-12AC (2) + 1-12AC (6)
- Choristoneura Occidentalis (western spruce budworm)  
combi (4) + E11-14AL (200) + Z11-14AL (18)
- Choristoneura Rosaceana (obliquebanded leafroller)  
combi (2) + Z11-14AC (98)
- Epiphyas Postvittana (light brown apple moth)  
combi (13) + E,E-9,11-14AC (0,7)
- Sparganothis Pilleriana (woodbine leafroller moth)  
combi (7) + Z11-14AC (6) + E9-12AC (9)
- Sparganothis Sulfureana

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- Syndemis Musculana  
combi (9) + Z11-14AC (1)
- Zeiraphera Diniana (larch bud moth)  
combi (1) + 1-14AC (2) + 1-16AC (2)

Z11-TETRADECENYL ACETATE

cas 20711-10-8

- Platynota Stultana (omnivorous leafroller)  
combi (12) + E11-14AC (88)
- Cacoecimorpha Pronubana (carnation tortrix moth)  
combi (18) + Z11-14OH (1) + Z9-14OH (1) + 1-14AC (20)

Z11-TETRADECENYL ACETATE (continued)

- Archips Rosanus (rose twist moth/filbert leafroller/european leafroller)  
combi (100) + E11-14AC (0,1) + Z11-14OH (10)
- Busseola Fusca (maize stalk borer)  
combi (10) + E11-14AC (2) + Z9-14AC (2)
- Laconobia Pisi  
combi (1) + Z9-14AC (1)
- Noctua Fimbriata  
combi (9) + Z9-14AC (1)
- Orthosia Gothica  
combi (1) + Z9-14AC (20)
- Panolis Flammea (pine beauty moth)  
combi (5) + Z9-14AC (100)
- Adoxophyes Orana (summerfruit tortrix)  
combi (1) + Z9-14AC (9)
- Archips Argyrospilus (fruittree leafroller)  
combi (15) + E11-14AC (10) + Z9-14AC (1) + 1-12AC (50)
- Archips Crataeganus  
combi (75) + Z9-14AC (25)
- Clepsia Spectrana (cabbage leafroller/cyclamen-tortrix)  
combi (3) + Z9-14AC (1)
- Ephichoristodes Acerbella (south african carnation tortrix)  
combi (8) + Z9-14AC (2) + Z11-14OH (1) + Z9-14OH (1)
- Pandemis Heparana (fruit tree tortrix moth)  
combi (90) + Z9-14AC (5) + Z11-14OH (5) + 1-12AC (1) + 1-14AC (1)
- Pandemis Limitata (threelined leafroller)  
combi (91) + Z9-14AC (9)
- Pandemis Pyrusana  
combi (94) + Z9-14AC (6)
- Cochyliis Hospes (banded sunflower moth)  
combi (1) + E11-14AC (5)
- Ostrinia Nubilalis (european corn borer)  
E-strain : combi (3) + E11-14AC (97)  
Z-strain : combi (97) + E11-14AC (3) [europe]  
EZ-strain : combi (50) + E11-14AC (50)
- Archips Breviplicanus (asiatic leafroller)  
combi (9) + E11-14AC (20) + 1-14AC (3)
- Archips Podanus (fruit tree tortrix)  
combi (1) + E11-14AC (1)
- Archips Semiferanus (oak leafroller)  
combi (33) + E11-14AC (67) + 1-14AC (50)
- Archips Xylosteanus  
combi (8) + E11-14AC (2)

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- Archips Pulchellana (fruit tree tortrix moth)  
combi (76) + E11-14AC (19) + 1-14AC (5) + Z11-14OH (2)
- Archips Velutinana (redbanded leafroller)  
combi (100) + E11-14AC (9) + 1-14AC (5) + 11-12AC (3) + Z9-12AC (1) +  
E9-12AC (2) + 1-12AC (6)
- Choristoneura Rosaceana (obliquebanded leafroller)  
combi (98) + E11-14AC (2)
- Sparganothis Pilleriana (woodbine leafroller moth)  
combi (6) + E11-14AC (7) + E9-12AC (9)
- Tortrix Viridana (green oak tortrix moth)
- Syndemis Musculana  
combi (1) + E11-14AC (9)
- Actebia Fennica (black army cutworm)  
combi (1) + Z7-12AC (1)

Z11-TETRADECENYL ACETATE (continued)

- Argyrotaenia Citrana (orange tortrix)  
combi (15) + Z11-14AL (1)
- Choristoneura Murinana (european fir budworm moth)  
combi (1) + Z9-12AC (10)
- Homona Magnanima (tea tortrix moth)  
combi (30) + Z9-12AC (3) + 11-12AC (1)
- Pandemis Cerasana  
combi (21) + E11-14AC (64) + E11-14OH (10) + Z11-14OH (3) + 1-14AC (2)
- Rhopobota Unipunctana (blackheaded fireworm)  
combi (3) + Z11-14OH (1)

E12-TETRADECENYL ACETATE

Z12-TETRADECENYL ACETATE

E&z-12-TETRADECENYL ACETATE

- Ostrinia funacalis

cas Mixture

E13-TETRADECENYL ACETATE

Z13-TETRADECENYL ACETATE

E14-TETRADECENYL ACETATE

Z14-TETRADECENYL ACETATE

E9-TETRADECENYL FORMATE

9-TETRADECYNOIC ACID

5-TETRADECYNOL

7-TETRADECYNOL

9-TETRADECYNOL

11-TETRADECYNOL

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5-TETRADECYNYL ACETATE

7-TETRADECYNYL ACETATE

5-TETRADECYNYL BROMIDE

5-TETRADECYNYL CHLORIDE

7-TETRADECYNYL CHLORIDE

Z7-TRICOSEN-11-ONE

Z9-TRICOSENE

cas 27519-02-4

- = MUSCALURE
- *Musca Domestica* (common housefly)
- *Dacus Oleae* (olive fly)
- combi + Z6-Nonenol + Z9-Nonadecene

E,Z-4,7-TRIDECADIENYL ACETATE

- = PTM I
- *Phthorimaea Operculella* (potato tuber worm/potato tuber moth)
- combi (1) + E,Z-4,7,10-13AC (1)
- *Phyllonorycter Corylifoliella* (nutleaf blister moth)

E,Z,Z-4,7,10-TRIDECATRIENYL ACETATE

- = PTM II
- *Phthorimaea Operculella* (potato tuber worm/potato tuber moth)
- combi (1) + E,Z-4,7-13AC (1)

1,13-TRIDECANEDIOL

cas 13362-52-2

E4-TRIDECENOL

E3-TRIDECENYL ACETATE

E&Z-4-TRIDECENYL ACETATE

- Tomato pinworm

Z3-TRIDECENYL ACETATE

E4-TRIDECENYL ACETATE

cas 72269-48-8

- *Keiffera Lycopersicella* (tomato pinworm)

Z4-TRIDECENYL ACETATE

cas 65954-19-0

Z-4-TRIDECENYL ACETATE

- Tomato pinworm, as well as other lepidoptera

E5-TRIDECENYL ACETATE

Z5-TRIDECENYL ACETATE

E6-TRIDECENYL ACETATE

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Z6-TRIDECENYL ACETATE

E7-TRIDECENYL ACETATE

Z7-TRIDECENYL ACETATE

E8-TRIDECENYL ACETATE

Z8-TRIDECENYL ACETATE

E9-TRIDECENYL ACETATE

Z9-TRIDECENYL ACETATE

E10-TRIDECENYL ACETATE

Z10-TRIDECENYL ACETATE

E11-TRIDECENYL ACETATE

Z11-TRIDECENYL ACETATE

TRIMEDLURE

- = t-BUTYL-4-(or 5)-CHLORO-2-METHYLCYCLOHEXANE-CARBOXYLATE
- *Ceratitis Capitata* (mediterranean fruit fly)

3,3,7-TRIMETHYL-2,9-DIOXATRUCUCLO-[3.3.1.0<sup>4,7</sup>] NONANE

- see LINEATIN

(Z,E)-3,7,11-TRIMETHYL-2,6,10-DODECATRIEN-1-OL

- see (Z,E)-FARNESOL

3,7,11-TRIMETHYL-1,6,10-DODECATRIEN-3-OL

- see NEROLIDOL

UNDECANAL

- *Galleria Mellonella* (greater waxmoth)  
combi with NONANAL
- *Achroia Grisella* (lesser waxmoth)  
combi + Z11-18AL

E2-UNDECENAL

1,11-UNDECANEDIOL

cas 765-04-8

E2-UNDECENOL

E5-UNDECENYL ACETATE

Z5-UNDECENYL ACETATE

E7-UNDECENYL ACETATE

Z7-UNDECENYL ACETATE

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E9-UNDECENYL ACETATE

Z9-UNDECENYL ACETATE

E10-UNDECENYL ACETATE

Z10-UNDECENYL ACETATE

VALERIC ACID

- Limonius Californicus (sugarbeet wireworm)

[S]-CIS VERBENOL

cas 18881-04-4

CIS-2-VERBENOL

cas 1820-09-3

- = Z-4,6,6-TRIMETHYLBICYCLO [3.1.1]-HEPT-3-EN-2-OL
- Ips Typographus (bark beetle/eighttoothed engraver beetle)  
combi with Ipsdienol
- Ips Confusus (pine bark beetle)  
combi + Ipsenol + Ipsdienol
- Dendroctonus Ponderosae (mountain pine beetle)  
combi + Myrcene + Exo-Brevicommin

VERBENONE

cas 1196-016

- = 4,6,6-TRIMETHYLBICYCLO[3.1.1]-HEPT-3-EN-2-ONE
- Dendroctonus Frontalis (southern pine beetle)  
combi + Frontalin

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**PHEROMONES**

Lures / Traps (Part 2)

KEY

ANI = Animal  
BEE = Bees  
FIE = Field  
FOR = Forest  
HOR = Horticulture  
ORC = Orchard  
STO = Storage  
VEG = Vegetables  
VIN = Vineyard

# Chemtech

<b>ACHROIA GRISELLA</b> Lepidoptera:Pyralidae	<u>LESSER WAX MOTH</u>	<b>BEE</b>
<b>ACLERIS RHOMBANA</b>	<u>FRUITTREE TORTRIX</u>	
<b>ACROLEPIOPSIS ASSECTELLA</b>	<u>LEEK MOTH</u>	
<b>ACTEBIA FENNICA</b> Lepidoptera:Noctuidae	<u>BLACK ARMY CUTWORM</u>	<b>FOR</b>
<b>ADOXOPHYES FASCIATA</b> Lepidoptera:Tortricidae	<u>SMALLER TEA TORTRIX</u>	<b>FIE</b>
<b>ADOXOPHYES ORANA (A. Reticulana)</b>	<u>SUMMERFRUIT TORTRIX</u>	
<b>ADOXYPHYES ORANA (A. RETICULANA)</b>	<u>SUMMERFRUIT TORTRIX</u>	<b>NR</b>
<b>ADOXOPHYES RETICULANA</b> Lepidoptera:Tortricidae		
<b>AGRIOTES LINEATUS</b>	<u>LINED CLICK BEETLE (WIREWORM)</u>	
<b>AGRIOTES OBSCURUS</b>	<u>CLICK BEETLE (WIREWORM)</u>	
<b>AGRIOTES SORDIDUS</b>	<u>CLICK BEETLE</u>	
<b>AGRIOTES SPUTATOR</b>	<u>COMMON CLICK BEETLE (WIREWORM)</u>	
<b>AGRIOTES USTULATUS</b>	<u>CLICK BEETLE</u>	
<b>AGROTIS ANDINA (new 2011)</b>		
<b>AGROTIS EXCLAMATIONIS</b>	<u>HEART AND DART MOTH (EXCLAMATOR CUTWORM)</u>	
<b>AGROTIS IPSILON</b>	<u>BLACK CUTWORM</u>	
<b>AGROTIS ORTHOGONIA</b>	<u>PALE WESTERN CUTWORM</u>	
<b>AGROTIS COMES (Noctua C.)</b> Lepidoptera:Noctuidae	<u>LESSER YELLOW UNDERWING</u>	<b>VIN</b>
<b>AGROTIS FUCOSA</b> Lepidoptera:Noctuidae	<u>TURNIP MOTH / COMMON CUTWORM</u>	<b>FIE/VEG</b>
<b>AGROTIS SEGETUM</b>	<u>TURNIP MOTH</u>	
<b>AMATHES C-NIGRUM</b>	See : Xestia Adela	
<b>AMBLYOMMA AMERICANUM</b> Acari:Ixodidae	<u>LONE STAR TICK</u>	<b>ANI</b>

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<b>AMORBIA CUNEANA</b> Lepidoptera:Tortricidae	<u>WESTERN AVOCADO LEAFROLLER</u>	
<b>AMYELOIS TRANSITELLA</b> Lepidoptera:Pyralidae	<u>NAVEL ORANGE WORM</u>	<b>ORC</b>
<b>ANAGASTA KUEHNIELLA</b>	See : Ephestia Kuehniella	
<b>ANARSIA LINEATELLA</b>	<u>PEACH TWIGBORER</u>	
<b>ANOMALA RUFOCUPREA</b> Coleoptera:Scarabaeidae	<u>SOYBEAN BEETLE</u>	<b>VEG</b>
<b>ANOMALA CUPREA</b> Coleoptera:Scarabaeidae		<b>VEG</b>
<b>ANTHERAEA POLYPHEMUS</b> Lepidoptera:Saturniidae	<u>POLYPHEMUS MOTH</u>	<b>FOR</b>
<b>ANTHONOMUS GRANDIS</b> Coleoptera:Curculionidae	<u>BOLL WEEVIL</u>	<b>FIE</b>
<b>ANTHRENUS FLAVIPES</b>	See : Attagenus Flavipes	
<b>ANTICARSIA GEMMATALIS</b> Lepidoptera:Noctuidae	<u>VELVETBEAN CATERPILLAR</u>	<b>FIE/VEG</b>
<b>AONIDIELLA AURANTII</b>	<u>CALIFORNIA REDSCALE</u>	
<b>AONIDIELLA CITRANA</b> Homoptera:Diaspididae	<u>YELLOWSCALE</u>	<b>ORC</b>
<b>APIS MELLIFERA</b> Hymenoptera:Apidae	<u>HONEYBEE</u>	<b>BEE</b>
<b>APOMYELOIS CERATONIAE</b> ( <u>ECTOMYLOIS</u> )	<u>DATE MOTH, CAROB MOTH</u>	
<b>ARCHIPS ARGYROSPILUS</b> Lepidoptera:Tortricidae	<u>FRUITTREE LEAFROLLER</u>	<b>ORC</b>
<b>ARCHIPS ARGYROSPILA</b>	<u>FRUITTREE LEAFROLLER</u>	
<b>ARCHIPS CERASIVORANA</b>	<u>UGLYNEST CATERPILLAR</u>	
<b>ARCHIPS BREVIPLICANUS</b> Lepidoptera:Tortricidae	<u>ASIATIC LEAFROLLER</u>	<b>FOR/ORC</b>
<b>ARCHIPS CRATAEGANA</b>		
<b>ARCHIPS XYLOSTEANA</b>	<u>BROWN OAK TORTRIX</u>	
<b>ARCHIPS PODANA</b>	<u>FRUIT TREE TORTRIX</u>	

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<b>ARCHIPS ROSANA</b>	<u>EUROPEAN LEAFROLLER/ ROSE TWIST MOTH</u>	
<b>ARCHIPS SEMIFERANUS</b> Lepidoptera:Tortricidae	<u>OAK LEAFROLLER</u>	<b>FOR/ORC</b>
<b>ARCHIPS SORBIANUS</b>	See : Choristoneura Sorbiana	
<b>ARGYRESTHIA CONJUGELLA</b>	<u>APPLE FRUITMOTH</u>	
<b>ARGYRESTHIA EPHIPPELLA</b> Lepidoptera:Argyresthiidae	<u>APPLE LEAFROLLER</u>	<b>ORC</b>
<b>ARGYRESTHIA PRUNIELLA</b>	<u>CHERRY BLOSSOM MOTH</u>	
<b>ARGYRESTHIA THUIELLA</b>	<u>ARBORVITAE LEAFMINER</u>	
<b>ARGYRESTHIA TRIFASCIATA</b>	<u>JUNIPERUS LEAFMINER</u>	
<b>ARGYROPLOCE LEUCOTRETA</b>	See : Cryptophlebia Leucotetra	
<b>ARGYROPLOCE VARIEGANA</b>	See : Hedyia Nubiferana	
<b>ARGYROTAENIA CITRANA</b>	<u>ORANGE TORTRIX</u>	
<b>ARGYROTAENIA PULCHELLANA</b>	<u>EULIA</u>	
<b>ARGYROTAENIA VELUTINANA</b>	<u>REDBANDED LEAFROLLER</u>	
<b>ATHETIS HOSPES</b> Lepidoptera:Noctuidae		
<b>ATTAGENUS FLAVIPES</b> (Anthrenus F.) Coleoptera:Dermestidae	<u>FURNITURE CARPET BEETLE</u>	<b>STO</b>
<b>ATTAGENUS MEGATOMA</b> (A.UNICOLOR) Coleoptera:Dermestidae	<u>BLACK CARPET BEETLE</u>	<b>STO</b>
<b>ATTAGENUS VERBASCI</b> (Anthrenus V.) Coleoptera:Dermestidae	<u>VARIED CARPET BEETLE</u>	<b>STO</b>
<b>AUTOGRAPHA CALIFORNICA</b>	<u>ALFALFA LOOPER</u>	
<b>AUTOGRAPHA GAMMA</b>	<u>SILVER Y MOTH</u>	
<b>AXYLIA PUTRIS</b> Lepidoptera:Noctuidae		
<b>BACTROCERA CUCURBITAE</b> (Dacus)	<u>CUCUMBER FRUIT FLY / MELON FRUIT FLY</u>	

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<b>BACTROCERA DORSALIS</b> (Dacus)	<u>ORIENTAL FRUIT FLY</u>	
<b>BACTROCERA OLEAE</b> (Dacus)	<u>OLIVE FRUITFLY</u>	
<b>BACTROCERA ZONATA</b> (Dacus)	<u>PEACH FRUIT FLY</u>	
<b>BEMBEZIA ICHNEUMONIFORMIS</b>	<u>SIX-BELTED CLEARWING MOTH</u>	<b>(I)</b>
<b>BLASTESTHIA TURIONELLA</b> Lepidoptera:Olethreutidae	<u>PINE TIP MOTH</u>	<b>FOR</b>
<b>BLATELLA GERMANICA</b> Orthoptera:Blatellidae	<u>GERMAN COCKROACH</u>	<b>STO</b>
<b>BLATTA ORIENTALIS</b> Orthoptera:Blatellidae	<u>ORIENTAL COCKROACH</u>	<b>STO</b>
<b>BOMBYX MORI</b> Lepidoptera:Bombycidae	<u>SILK WORM</u>	
<b>BEMBEZIA ICHNEUMONIFORMIS</b>	<u>SIX-BELTED CLEARING MOTH</u>	
<b>BONAGOTA CRANAODES</b>	<u>BRAZILIAN APPLE LEAFROLLER</u>	
<b>BRACHMIA MACROSCOPA</b> (Helcystogramma M.) <b>FIE/VEG</b> Lepidoptera:Gelchiidae	<u>SWEET POTATO LEAFFOLDER</u>	
<b>BRYOTROPHA SIMILIS</b> Lepidoptera:Gelchiidae		
<b>BUSSEOLA FUSCA</b>	<u>MAIZE STEM BORER</u>	
<b>CACOECIA MUSCULANA</b>	See : <i>Syndemis Musculana</i>	
<b>CACOECIMORPHA PRONUBANA</b>	<u>CARNATION TORTRIX</u>	
<b>CACTOBLASTIS CACTORUM</b>	<u>CACTUS MOTH</u>	
<b>CACTOBLASTIS CACTORUM</b>	<u>CACTUS MOTH</u>	<b>HOR</b>
<b>CADRA CAUTELLA</b>	<u>ALMOND MOTH</u>	
<b>CADRA FIGULILELLA</b>	See : <i>Ephestia Figulilella</i>	<b>NR</b>
<b>CALANDRA GRANARIUS</b>	See : <i>Sitophilus Granarius</i>	<b>NR</b>
<b>CAMERARIA OHRIDELLA</b>	<u>HORSE CHESTNUT LEAF-MINER</u>	

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<b>CAMPYLOMMA VERBASCI</b>	<u>MULLEIN BUG</u>	
<b>CAPUA ORANA</b>	See : Adoxophyes Orana	
<b>CARADRINA CLAVIPALPIS</b> Lepidoptera:Noctuidae	<u>PALE MOTTLED WILLOW MOTH</u>	
<b>CARPOSINA NIPONENSIS</b> Lepidoptera:Carposinidae	<u>PEACH FRUIT MOTH</u>	<b>ORC</b>
<b>CARPOCAPSA POMONELLA</b>	See : Laspeyresia Pomonella	
<b>CERAMICA PISI</b>	See : Mamestra P.	
<b>CERATITIS CAPITATA</b>	<u>MEDITERRANEAN FRUIT FLY</u>	
<b>CERATITIS CAPITATA</b> ( MALE &FEMALE)	<u>MEDITERANEN FRUIT FLY</u>	
<b>CHILO AURICILIUS</b> Lepidoptera:Pyralidae	<u>SUGARCANE STALKBORER</u>	<b>FIE</b>
<b>CHILO INFUSCATELLUS</b>	<u>SUGARCANE STEMBORER</u>	
<b>CHILO PARTELLUS</b>	<u>SPOTTED STALK BORER</u>	
<b>CHILO SACCHARIPHAGUS INDICUS</b>	<u>SUGARCANE STEM BORER</u>	
<b>CHILO SUPPRESSALIS</b>	<u>ASIATIC RICE BORER</u> <u>STRIPED RICE BORER</u>	
<b>CHILO ZACCONIUS</b> Lepidoptera:Pyralidae	<u>AFRICAN RICE BORER MOTH</u>	<b>FIE/VEG</b>
<b>CHORISTONEURA FUMIFERANA</b>	<u>EASTERN SPRUCE BUDWORM</u>	
<b>CHORISTONEURA HEBENSTREITELLA</b>		
<b>CHORISTONEURA LAFAURYANA</b> (Cornicacoecia L.) Lepidoptera:Tortricidae	<u>SOY-BEAN TORTRIX MOTH</u>	<b>FIE/VEG</b>
<b>CHORISTONEURA MURINANA</b> Lepidoptera:Tortricidae	<u>EUROPEAN FIR BUDWORM/</u> <u>SILVER FIR SHOOT TORTRICID</u>	<b>FOR</b>
<b>CHORISTONEURA OCCIDENTALIS</b> Lepidoptera:Tortricidae	<u>WESTERN SPRUCE BUDWORM</u>	<b>FOR</b>
<b>CHORISTONEURA ROSACEANA</b>	<u>OBLIQUEBANDED LEAFROLLER</u>	
<b>CHORISTONEURA SORBIANA</b> (Archips S.) (C.Herbenstreitella) Lepidoptera:Tortricidae		<b>FOR/ORC</b>

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<b>CHRYSODEIXIS CHALCITES</b>	<u>TOMATO LOOPER</u>	
<b>CHRYSOTEUCHIA TOPIARIA</b>	<u>CRANBERRY GIRDLER</u>	
<b>CILIX GLAUCATA</b> Lepidoptera:Drepanidae		
<b>CLEPSIS RURINANA</b> Lepidoptera:Tortricidae		
<b>CLEPSIS SPECTRANA</b>	<u>CABBAGE LEAFROLLER</u>	
<b>CNAPHALOCROCIS MEDINALIS</b>	<u>RICE LEAFFOLDER MOTH</u>	<b>NR</b>
<b>CNEPHASIA LONGANA</b> Lepidoptera:Tortricidae	<u>OMNIVOROUS LEAFTIER</u>	<b>FIE/VEG</b>
<b>CNEPHASIA PASCUANA</b> Lepidoptera:Tortricidae		<b>NR</b>
<b>CNEPHASIA PUMICANA</b>	<u>CEREAL TORTRIX</u>	
<b>CNAPHALOCROCIS MEDINALIS</b>	<u>RICE LEAFFOLDER MOTH</u>	
<b>CNAPHALOCROSIC MEDINALIS (INDIAN BLEND) NEW 2011</b>	<u>RICE LEAFFOLDER MOTH</u>	
<b>CNAPHALOCRISIC MEDINALIS (JAPANESE BLEND) NEW 2011</b>	<u>RICE LEAFFOLDER MOTH</u>	
<b>COPITARSIA DECOLORA</b>		
<b>COSMOPOLITES SORDIDUS</b>	<u>BLACK BANANA WEEVIL</u>	
<b>COCHYLIS HOSPES</b> Lepidoptera:Cochylidae	<u>BANDED SUNFLOWER MOTH</u>	<b>FIE</b>
<b>COLEOPHORA LARICELLA</b> Lepidoptera:Coleophoridae	<u>LARCH CASEBEARER</u>	<b>FOR</b>
<b>CONOPIA MYOPIFORMIS</b>	See : Synanthedon Myopiformis	
<b>CONOPOMORPHA CRAMERELLA</b> Lepidoptera:Gracillariidae	<u>COCOAPOD BORER</u>	<b>STO</b>
<b>COSMOPOLITES SORDIDUS</b>	<u>BLACK BANANA WEEVIL</u>	<b>SL</b>
<b>COPITARSIA DECOLORA</b>		<b>(I)</b>
<b>COSSUS COSSUS</b>	<u>EUROPEAN GOAT MOTH</u>	
<b>CROESIA BERGMANNIA</b> Lepidoptera:Tortricidae		

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<b>CROESIA HOLMIANA</b> Lepidoptera:Tortricidae		
<b>CRYMODES DEVASTATOR</b> Lepidoptera:Noctuidae	<u>LASSY CUTWORM</u>	<b>FIE/VEG</b>
<b>CRYPTOBLABES GNIDIELLA</b> Lepidoptera:Pyralidae	<u>HONEYDEW MOTH/ CRISTMASBERRY WEBWORM</u>	<b>FIE/VEG</b>
<b>CRYPTOLESTES FERRUGINEUS</b> (Laemoploeus F.) Coleoptera:Cucujidae	<u>RUSTY GRAINBEETLE</u>	
<b>CRYPTOPHLEBIA OMBRODELTA</b>	<u>MACADAMIA NUT BORER</u>	
<b>CYDIA CARYANA</b>	<u>HICKORY SHUCKWORM</u>	
<b>CYDIA FAGIGLANDANA</b>		
<b>CYDIA FUNEBRANA</b> (Grapholitha)	<u>PLUM FRUIT MOTH</u>	
<b>CYDIA JANTHINANA</b>	See:Grapholitha Janthinana	
<b>CYDIA MEDICAGINIS</b>	See:Laspeyresia Medicaginis	
<b>CYDIA MOLESTA</b>	See:Grapholitha Molesta	
<b>CYDIA NIGRICANA</b> (Laspeyresia)	PEA MOTH	
<b>CYDIA PACTOLANA</b>	See:Laspeyresia Pactolana	
<b>CYDIA POMONELLA</b>	See: Female Pomonella	<b>PV</b>
<b>CYDIA POMONELLA</b> (Laspeyresia)	<u>CODLING MOTH</u>	
<b>CYDIA POMONELLA</b> (Superlure,10 mg)	<u>CODLING MOTH</u>	
<b>CYDIA PYRIVORA</b>	<u>PEAR TORTRIX</u>	
<b>CYDIA SPLENDANA</b>	<u>ACORN MOTH, NUT FRUIT TORTRX</u>	
<b>CYLAS FORMICARIUS ELEGANTULUS</b>	<u>SWEET POTATO WEEVIL</u>	
<b>DACUS CUCURBITAE</b> Diptera:Tephritidae	<u>MELON FLY</u>	<b>ORC/VEG</b>
<b>DACUS DORSALIS</b> Diptera:Tephritidae	<u>ORIENTAL FRUIT FLY</u>	<b>ORC</b>

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<b>DACUS OLEAE</b> (Bactrocera O.) Diptera:Tephritidae	<u>OLIVE FRUIT FLY</u>	<b>ORC</b>
<b>DACUS TRYONI</b> Diptera:Tephritidae	<u>QUEENSLAND FRUIT FLY</u>	<b>ORC</b>
<b>DELIA ANTIQUA</b>	<u>ONION FLY</u>	<b>VEG</b>
<b>DELIA RADICUM</b>	<u>CABBAGE ROOT FLY</u>	<b>SL</b>
<b>DENDROCTONUS BREVICOMIS</b> Coleoptera:Scolytidae	<u>WESTERN PINE BEETLE</u>	<b>FOR</b>
<b>DENDROCTONUS FRONTALIS</b> Coleoptera:Scolytidae	<u>SOUTHERN PINE BEETLE</u>	<b>FOR</b>
<b>DENDROCTONUS PONDEROSAE</b> Coleoptera:Scolytidae	<u>MOUNTAIN PINE BEETLE</u>	<b>FOR</b>
<b>DENDROCTONUS PSEUDOTSUGAE</b> Coleoptera:Scolytidae	<u>DOUGLAS FIR BEETLE</u>	<b>FOR</b>
<b>DENDROCTONUS RUFIPENNIS</b> Coleoptera:Scolytidae	<u>SPRUCE BEETLE</u>	<b>FOR</b>
<b>DENDROCTONUS TEREBRANS</b> Coleoptera:Scolytidae	<u>BLACK TURPENTINE BEETLE</u>	<b>FOR</b>
<b>DENDROLIMUS PINI</b>	<u>EUROPEAN PINE MOTH</u>	
<b>DENDROLIMUS PUNCTATUS</b> Lepidoptera:Lasiocampidae	<u>PINE CATERPILLAR</u>	<b>FOR</b>
<b>DENDROLIMUS SPECTABILIS</b> Lepidoptera:Lasiocampidae	<u>PINE MOTH</u>	<b>FOR</b>
<b>DIABROTICA UNDECIMPUNCTATA HOWARDI</b> Coleoptera:Chrysomelidae	<u>SOUTHERN CORN ROOTWORM/ SPOTTED CUCUMBER BEETLE</u>	<b>FIE/VEG</b>
<b>DIABROTICA VIRGIFERA VIRGIFERA</b>	<u>WESTERN CORN ROOTWORM</u>	
<b>DIACHRYSLIA CHRYSITIS</b> Lepidoptera:Noctuidae		
<b>DIAPHANIA NITIDALIS</b> Lepidoptera:Pyralidae	<u>PICKLEWORM</u>	<b>VEG</b>
<b>DIATRAEA GRANDIOSELLA</b>	<u>SOUTHWESTERN CORN BORER</u>	

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<b>DIATRAEA SACCHARALIS</b>	<u>SUGARCANE BORER</u>	
<b>DICESTRA TRIFOLII</b>	See:Scotogramma Trifolii	
<b>DICHOCROCIS PUNCTIFERALIS</b> Lepidoptera:Pyralidae	<u>YELLOW PEACH MOTH</u>	<b>ORC</b>
<b>DIORYCTRIA ABIETELLA</b>	<u>SPRUCE CONEWORM, FIRE CONEWORM</u>	
<b>DIPAROPSIS CASTANEA</b> Lepidoptera:Noctuidae	<u>RED BOLLWORM MOTH</u>	<b>FIE</b>
<b>DIURNEA PHRYGANELLA</b> Lepidoptera:Oecophoridae		
<b>DROSOPHILA MELANOGASTER</b>	<u>COMMON FRUIT FLY</u>	<b>(I)</b>
<b>DRYOCOETES CONFUSUS</b> Coleoptera:Scolytidae	<u>WESTERN BALSAM BARK BEETLE</u>	<b>FOR</b>
<b>DROSOPHILA MELANOGASTER</b>	<u>COMMON FRUIT FLY</u>	
<b>DUPONCHELIA FOVEALIS</b>		
<b>EARIAS INSULANA</b>	<u>SPINY BOLLWORM</u>	
<b>EARIAS VITTELLA</b>	<u>SPOTTED BOLLWORM</u>	
<b>EGIRA CURIALIS</b> (Xylomygus C.) Lepidoptera:Noctuidae	<u>CITRUS CUTWORM</u>	<b>ORC</b>
<b>ELASMOPALPUS LIGNOSELLUS</b>	<u>LESSER CORNSTALK BORER</u>	
<b>ELDANA SACCHARINA</b> Lepidoptera:Pyralidae	<u>AFRICAN SUGARCANE BORER</u>	<b>FIE</b>
<b>ENARMONIA FORMOSANA</b>	<u>CHERRYBARK TORTRIX MOTH</u>	
<b>ENDOPIZA VITEANA</b> (Paralobesia)	<u>GRAPE BERRY MOTH</u>	
<b>ENDOTHENIA QUADRIMACULANA</b> Lepidoptera:Olethreutidae	<u>STACHIS TORTRIX MOTH</u>	<b>FIE/VEG</b>
<b>EPHESTIA CAUTELLA</b> (Cadra C.) Lepidoptera:Pyralidae	<u>TROPICAL WAREHOUSE MOTH/ ALMOND MOTH/FIG MOTH/ TROPICAL COCOA MOTH</u>	<b>STO</b>

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<b>EPHESTIA ELUTELLA</b>	<u>TOBACCO MOTH/ WAREHOUSE MOTH</u>	
<b>EPHESTIA FIGULILELLA</b> (Cadra F.) Lepidoptera:Pyralidae	<u>RAISIN MOTH</u>	<b>STO</b>
<b>EPHESTIA KUEHNIELLA</b>	<u>MEDITERRANEAN FLOUR MOTH</u>	
<b>EPICHORISTODES ACERBELLA</b> Lepidoptera:Tortricidae	<u>SOUTH AFRICAN CARNATION TORTRIX</u>	<b>HOR</b>
<b>EPINOTIA TEDELLA</b> Lepidoptera:Oletrheutidae	<u>SPRUCE LEAFROLLER</u>	<b>FOR</b>
<b>EPIPHYAS POSTVITTANA</b>	<u>LIGHT BROWN APPLE MOTH</u>	
<b>EUCOSMA SONOMANA</b> Lepidoptera:Olethreutidae	<u>WESTERN PINE SHOOT BORER</u>	<b>FOR</b>
<b>EULIA PULCHELLANA</b>	See: <i>Argyrotaenia Pulchellana</i>	
<b>EUPOECILIA AMBIGUELLA</b>	<u>EUROPEAN GRAPE BERRY MOTH</u>	
<b>EUXOA AUXILIARIS</b> Lepidoptera:Noctuidae	<u>ARMY CUTWORM</u>	<b>FIE/VEG</b>
<b>EUXOA IPSILON</b>	See: <i>Agrotis Ipsilon</i>	
<b>EUXOA MESSORIA</b> Lepidoptera:Noctuidae	<u>DARKSIDED CUTWORM</u>	<b>FIE/VEG</b>
<b>EUXOA OCHROGASTER</b> Lepidoptera:Noctuidae	<u>REDBACKED CUTWORM</u>	<b>FIE/VEG</b>
<b>EPHESTIA ELUTELLA</b>	<u>TABACCO MOTH, WAREHOUSE MOTH</u>	
<b>EUZOPHERA PUNICAELLA</b>	<u>PIRALIDAE MOTH</u>	
<b>EUZOPHERA PUNICAELLA</b>	<u>PYRALIDAE MOTH</u>	<b>NR</b>
<b>EUZOPHERA SEMIFUNERALIS</b> Lepidoptera:Pyralidae	<u>AMERICAN PLUM BORER</u>	<b>ORC</b>
<b>EVERGESTIS FORFICALIS</b>	<u>GARDEN PEBBLE MOTH</u>	
<b>FRANKLINELLA OCCIDENTALIS</b>	<u>WESTERN FLOWER THRIPS</u>	
<b>FRANKLINELLA OCCIDENTALIS</b>	<u>WESTERN FLOWER BOTH TRIPS</u>	<b>ORC</b>
<b>FUMIBOTYS FUMALIS</b>	<u>MINT ROOT BORER</u>	

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<b>GALLERIA MELLONELLA</b> Lepidoptera:Pyralidae	<u>GREATER WAX MOTH/HONEYCOMB MOTH</u>	<b>BEE</b>
<b>GLYDOPHODES PERSPECTALIS (DIAPHANIA)</b>	<u>BOX TREE PYRALID</u>	
<b>GNATHOTRICHUS SULCATUS</b> Coleoptera:Scolytidae	<u>AMBROSIA BEETLE</u>	<b>FOR</b>
<b>GORTYNA XANTHENES</b>	<u>ARTICHOKE MOTH</u>	
<b>GRAPHOLITHA FUNEBRANA (Cydia F.)</b> Lepidoptera:Olethreutidae	<u>PLUM FRUIT MOTH</u>	<b>ORC</b>
<b>GRAPHOLITHA JANTHINANA (CYDIA)</b>	<u>HAWTHORNE-BERRY MOTH</u>	
<b>GRAPHOLITA LOMBARZEWSKII</b>	<u>APPLESEED MOTH</u>	
<b>GRAPHOLITA MOLESTA (Cydia)</b>	<u>ORIENTAL FRUIT MOTH</u>	
<b>GRAPHOLITA MOLESTA (Superlure,10mg)</b>	<u>ORIENTAL FRUIT MOTH</u>	
<b>GRAPHOLITA PACKARDII</b> Lepidoptera:Olethreutidae	<u>CHERRY FRUIT WORM</u>	<b>ORC</b>
<b>GRAPHOLITA PRUNIVORA</b>	<u>LESSER APPLE WORM</u>	
<b>GYPSONOMA ACERIANA</b>	<u>POPLAR SHOOT BORER</u>	
<b>HARRISINA BRILLIANS</b> Lepidoptera:Zygaenidae	<u>WESTERN GRAPELEAF SKELETONIZER</u>	<b>VIN</b>
<b>HEDYA ATROPUNCTANA</b> Lepidoptera:Olethreutidae		<b>ORC</b>
<b>HEDYA DIMIDIOALBA/DIMIDIANA</b> Lepidoptera:Olethreutidae		<b>ORC</b>
<b>HEDYA NUBIFERANA (Argyroploce Variegana)</b> Lepidoptera:Olethreutidae	<u>GREEN BUDWORM MOTH</u>	<b>ORC</b>
<b>HEDYA OCHROLEUCANA</b> Lepidoptera:Olethreutidae		<b>ORC</b>

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<b>HELCYSTOGRAMMA MACROSCOPUM</b>	See : Brachmia Macroscopa	
<b>HELICOVERPA ASSULTA</b>	<u>ORIENTAL TOBACCO BUDWORM</u>	
<b>HELIOTHIS ARMIGERA</b> ( <u>Helicoverpa A.</u> ) Lepidoptera:Noctuidae	<u>OLD WORLD BOLLWORM/ COTTON BOLLWORM/ AFRICAN BOLLWORM/ AMERICAN BOLLWORM</u>	<b>FIE/VEG</b>
<b>HELICOVERPA ARMIGERA (HELIOTHIS)</b>	<u>COTTON BOLLWORM/ AMERICAN BOLLWORM</u>	
<b>HEDYA NUBIFERANA (H. DIMIDIOALBA)</b>	<u>GREEN BUDWORM</u>	
<b>HELIOTHIS VIRESCENS</b>	<u>TOBACCO BUDWORM</u>	
<b>HELIOTHIS ZEA</b>	<u>CORN EARWORM</u>	
<b>HELLULA UNDALIS</b>	<u>CABBAGE WEBWORM</u>	
<b>HEMILEUCA MAIA</b>	<u>EASTERN BUCKWORM</u>	
<b>HOLOMELINA AURANTIACA</b> Lepidoptera:Arctiidae	<u>TIGER MOTH</u>	
<b>HOMOEOSOMA ELECTELLUM</b>	<u>SUNFLOWER MOTH</u>	
<b>HYPONOMEUTA PADELLA (SEE, YPPA)</b>	<u>ORCHARD ERMINE MOTH</u>	
<b>HOMONA COFFEARIA</b> Lepidoptera:Tortricidae	<u>TEA TORTRIX</u>	<b>FIE</b>
<b>HOMONA MAGNANIMA</b> Lepidoptera:Tortricidae	<u>TEA TORTRIX</u>	<b>FIE</b>
<b>HYPHANTRIA CUNEA</b> Lepidoptera:Arctiidae	<u>FALL WEBWORM MOTH</u>	
<b>HYPONOMEUTA MALINELLUS</b> Lepidoptera:Yponomeutidae	<u>APPLE ERMINE MOTH</u>	<b>ORC</b>
<b>HYPSIPYLA ROBUSTA</b> Lepidoptera:Pyralidae	<u>MAHOGANY SHOOT MINER</u>	<b>FOR</b>
<b>ICHNEUMENOPTERA CHRYSOPHANES</b>	<u>CLEARWING PERSIMMON BORER</u>	
<b>ICHNEUMOPTERA CF. XANTHOSOMA</b>	<u>CINNAMON CLEARWING MOTH</u>	

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<b>ICHNEUMENOPTERA CHRYSOPHANES</b>	<u>CLEARWING PERSIMMON BORER</u>	<b>FOR</b>
<b>ICHNEUMOPTERA CF. XANTHOSOMA</b>	<u>CINNAMON CLEARWING MOTH</u>	<b>FOR</b>
<b>IPS AMITINUS</b> Coleoptera:Scolytidae		<b>FOR</b>
<b>IPS CEMBRAE</b> Coleoptera:Scolytidae	<u>LARCH ENGRAVER/ LARCH BARK BEETLE</u>	<b>FOR</b>
<b>IPS CONFUSUS</b> (Ips Paraconfusus) Coleoptera:Scolytidae	<u>PINE BARK BEETLE</u>	<b>FOR</b>
<b>IPS DUPLICATUS</b> Coleoptera:Scolytidae	<u>BARK BEETLE</u>	<b>FOR</b>
<b>IPS EROSUS</b> (Orthotomicus E.) Coleoptera:Scolytidae	<u>MEDITERRANEAN PINE ENGRAVER BEETLE</u>	<b>FOR</b>
<b>IPS PINI</b> Coleoptera:Scolytidae	<u>PINE ENGRAVER BEETLE</u>	<b>FOR</b>
<b>IPS SEXDENTATUS</b> Coleoptera:Scolytidae	<u>SIX-SPINED IPS SIX-TOOTHED ENGRAVER BEETLE</u>	<b>FOR</b>
<b>IPS TYPOGRAPHUS</b> Coleoptera:Scolytidae	<u>SPRUCE BARK BEETLE/ EIGHT-TOOTHED SPRUCE BARK BEETLE</u>	<b>FOR</b>
<b>ISOTRIAS HYBRIDANA</b> (I.Rectifasciana) Lepidoptera:Tortricidae		
<b>KEIFERIA LYCOPERSICELLA</b>	<u>TOMATO PINWORM</u>	
<b>LACANOBIA OLERACEA</b>	See : Mamestra Oleracea	
<b>LAEMOPHLOEUS FERRUGINEUS</b>	See : Cryptolestes Ferrugineus	
<b>LASIOCAMPA QUERCUS</b>	<u>OAK EGGAR</u>	<b>NR</b>
<b>LASIODERMA SERRICORNE</b>	<u>CIGARETTE BEETLE</u>	
<b>LASPEYRESIA EXQUISITANA</b> (Cydia E.) Lepidoptera:Olethreutidae		
<b>LASPEYRESIA MEDICAGINIS</b> (Cydia M.) <b>FIE/VEG</b> Lepidoptera:Olethreutidae	<u>LUCERNE MOTH</u>	
<b>LASPEYRESIA NIGRICANA</b> (Cydia N.) Lepidoptera:Olethreutidae	<u>PEA MOTH/PEA TORTRIX MOTH</u>	<b>FIE/VEG</b>

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<b>LASPEYRESIA PACTOLANA</b> (Cydia P.) Lepidoptera:Olethreutidae		
<b>LASPEYRESIA POMONELLA</b> (Cydia P.) Lepidoptera:Olethreutidae	<u>CODLING MOTH</u>	<b>ORC</b>
<b>LEGUMININORA GLYCINIVORELLA</b>	<u>SOYBEAN POD BORER</u>	<b>VEG</b>
<b>LEUCINODES ORBONALIS</b>	<u>BRINJAL FRUIT AND SHOOT BORER</u>	
<b>LEUCOPTERA MALIFOLIELLA</b> Lepidoptera:Lyonetiidae	<u>PEAR LEAF BLISTER MOTH</u>	<b>ORC</b>
<b>LEUCOPTERA SCITELLA</b> <b>(L. MALIFOLIELLA)</b>	<u>APPLE CIRCULAR LEAF MINER</u>	
<b>LIMONIUS CALIFORNICUS</b> Coleoptera:Elateridae	<u>SUGARBEET WIREWORM</u>	<b>FIE</b>
<b>LITHOCOLLETIS BLANCARDELLA</b> (Phyllonorycter B.) Lepidoptera:Gracillariidae	<u>SPOTTED TENTIFORM LEAFMINER</u> <u>SPOTTED TENTIFORM LEAFROLLER</u>	<b>ORC</b>
<b>LITHOCOLLETIS CORYLIFOLIELLA</b> (Phyllonorycter C.) Lepidoptera:Gracillariidae	<u>NUT LEAF BLISTER MOTH/</u> <u>LEAF MINER MOTH</u>	<b>ORC</b>
<b>LITHOCOLLETIS RINGONIELLA</b> Lepidoptera:Gracillariidae	(ASIATIC) <u>APPLE LEAFMINER</u>	<b>ORC</b>
<b>LOBESIA BOTRANA</b>	<u>GRAPEVINE MOTH</u>	
<b>LOXAGROTIS ALBICOSTA</b>	<u>WESTERN BEAN CUTWORM</u>	
<b>LOXOSTEGE STICTICALIS</b> Lepidoptera:Pyralidae	<u>BEET WEBWORM</u>	<b>FIE/VEG</b>
<b>LYMANTRIA DISPAR</b>	<u>GYPSY MOTH</u>	
<b>LYMANTRIA MONACHA</b> Lepidoptera:Lymantriidae	<u>NUN MOTH/BLACK ARCHES MOTH</u>	<b>FOR</b>
<b>LYONETIA CLERKELLA</b>	<u>APPLE LEAF MINER</u>	
<b>LACANOBIA OLERACEA</b> <b>(MAMESTRA)</b>	<u>BRIGHT-LINE BROWN-EYE MOTH</u>	
<b>MACDUNNOGHIA CONFUSA</b> Lepidoptera:Noctuidae	<u>CHRYSANTHEMUM MOTH</u>	<b>HOR</b>

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<b>MALACOSOMA DISSTRIA</b> Lepidoptera:Lasiocampidae	<u>FOREST TENT CATERPILLAR/</u> <u>LACKEY MOTH</u>	<b>FOR</b>
<b>MAMESTRA BRASSICAE</b>	<u>CABBAGE MOTH</u>	
<b>MAMESTRA CONFIGURATA</b>	<u>BERTHA ARMYWORM/</u>	
<b>MAMESTRA OLERACEA</b> (Lacnobia O.) Lepidoptera:Noctuidae	VEGETABLE MOTH/ TOMATO MOTH/ <u>GARDEN CUTWORM</u>	<b>FIE/VEG</b>
<b>MAMESTRA PISI</b> (Ceramica P.) (Polia P.) Lepidoptera:Noctuidae		<b>FIE/VEG</b>
<b>MAMESTRA SUASA</b> Lepidoptera:Noctuidae		<b>FIE/VEG</b>
<b>MANDUCA SEXTA</b> Lepidoptera:Sphingidae	<u>TOBACO HORWORM/SPHYNX MOTH</u>	<b>FIE</b>
<b>MARUCA VITRATA</b>	<u>LEGUME POD BORER</u>	
<b>MELISSOPUS LATIFERRANUS</b>	<u>FILBERTWORM</u>	
<b>MELITTIA CUCURBITAE</b>	<u>SQUASH VINE BORER</u>	
<b>MELOLONTHA MELOLONTHA</b>	<u>COCK CHAFER</u>	
<b>MNESAMPELAG PRIVATA</b>	<u>AUTUMN GUM MOTH</u>	<b>(I)</b>
<b>MOCIS LATIPES</b> Lepidoptera:Noctuidae		
<b>MONIMA GOTHICA</b> (Orthosia G.) Lepidoptera:Noctuidae	<u>FRUITTREE MOTH</u>	<b>ORC</b>
<b>MONIMA HIBISCI</b> (Orthosia H.) Lepidoptera:Noctuidae	<u>SPECKLED GREEN FRUITWORM</u>	<b>ORC</b>
<b>MONIMA INCERTA</b> (Orthosia I.) Lepidoptera:Noctuidae	GREY FRUITTREE MOTH	<b>ORC</b>
<b>MUSCA AUTUMNALIS</b> Diptera:Muscidae	<u>FACE FLY</u>	<b>ANI</b>
<b>MNESAMPELA PRIVATA</b>	<u>AUTUMN GUM MOTH</u>	
<b>MUSCA DOMESTICA</b>	<u>HOUSE FLY</u>	
<b>MUSCA DOMESTICA</b>	<u>COMMON HOUSE FLY</u>	<b>ANI</b>

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Diptera:Muscidae

<b>MYTHIMNA UNIPUNCTA</b>	<u>TRUE ARMY WORM</u>	
<b>MYTHIMNA UNIPUNCTA</b>	See: Pseudaletia Unipuncta	
<b>MYTHIMNA SEPARATA</b>	See: Pseudaletia Separata	
<b>NARANGA AENESCENS</b> Lepidoptera:Noctuidae	<u>RICE GREEN CATERPILLAR</u>	<b>FIE/VEG</b>
<b>NEOLEUCINODES ELEGANTALIS</b>	<u>TOMATO FRUIT BORER</u>	
<b>NOCTUA COMES</b>	See: Agrotis Comes	
<b>NOCTUA FIMBRIATA</b>		<b>VIN</b>
<b>OCHROPLEURA PLECTA</b> Lepidoptera:Noctuidae		
<b>OPEROPHTERA BRUMATA</b>	<u>WINTER MOTH</u>	
<b>OPOGONA SACCHARI</b>	<u>BANANA MOTH</u>	
<b>OPOGONA SACCHARI</b> (SUPERLURE) NEW 2011	<u>BANANA MOTH</u>	
<b>OPOGONA SACCHARI</b>	<u>BANANA MOTH</u>	<b>FOR/ORC</b>
<b>ORGYIA ANTIQUA</b> Lepidoptera:Lymantridae	<u>RUSTY TUSSOCK MOTH/</u> <u>VAPOURER MOTH</u>	<b>FOR/ORC</b>
<b>ORGYIA LEUCOSTIGMA</b> Lepidoptera:Lymantridae	<u>WHITEMARKED TUSSOCK MOTH</u>	<b>FOR</b>
<b>ORGYIA ANTIGUA</b>	<u>VAPOURER MOTH – RUSTY TUSSOCK MOTH</u>	
<b>ORGYIA PSEUDOTSUGATA</b>	<u>DOUGLAS FIR TUSSOCK MOTH</u>	
<b>ORTHOSIA CERASI</b> (O. STABILIS)	<u>POWERED QUAKER MOTH</u>	
<b>ORTHOSIA GOTHICA</b>	<u>HEBREW CHARACTER</u>	
<b>ORTHOSIA HIBISCI</b>	<u>SPECKLED GREEN FRUITWORM</u>	
<b>ORTHOSIA INCERTA</b>	<u>CLOUDED DRAB MOTH</u>	
<b>ORTHOTOMICUS EROSUS</b>	See: Ips Erosus	

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<b>ORYZAEPHILUS MERCATOR</b> Coleoptera:Cucujidae	<u>MERCHANT GRAIN BEETLE</u>	<b>STO</b>
<b>ORYZAEPHILUS SURINAMENSIS</b> Coleoptera:Cucujidae	<u>SAWTOOTHED GRAIN BEETLE</u>	<b>STO</b>
<b>OSTRINIA FURNACALIS</b>	<u>ASIAN CORN BORER</u>	
<b>OSTRINIA NUBILALIS</b> (E-STRAIN)	<u>EUROPEAN CORN BORER (NEW YORK)</u>	
<b>OSTRINIA NUBILALIS</b> (Z-STRAIN)	<u>EUROPEAN CORN BORER (IOWA)</u>	
<b>OSTRINIA NUBILALIS</b> (EZ-STRAIN)	<u>EUROPEAN CORN BORER</u>	
<b>OSTRINIA NUBILALIS</b> (ES-STRAIN)	<u>EUROPEAN CORN BORER (SPAIN)</u>	
<b>OSTRINIA NUBILALIS</b> Lepidoptera:Pyralidae	<u>EUROPEAN CORN BORER (NEW YORK)</u> (E-, Z-, & EZ, ES-STRAIN)	<b>FIE/VEG</b>
<b>OSTRINIA NUBILALIS</b>	<u>EUROPEAN CORN BORER (IOWA)</u> (Z-STRAIN)	<b>(I)</b>
<b>OSTRINIA NUBILALIS</b>	<u>EUROPEAN CORN BORER</u> (EZ- STRAIN)	<b>(I)</b>
<b>OSTRINIA NUBILALIS</b>	<u>EUROPEAN CORN BORER (SPAIN)</u> (ES-STRAIN)	<b>(I)</b>
<b>PAMMENE ARGYRANA</b>	<u>EARLY FRUIT MOTH</u>	
<b>PAMMENE FASCIANA</b>	<u>CHESTNUT LEAFROLLER</u>	
<b>PAMMENE RHEDIELLA</b>	<u>FRUITLET MINING TORTRIX</u>	
<b>PANDEMIS CERASANA</b>	<u>BARRED FRUIT TREE TORTRIX</u>	
<b>PANDEMIS HEPARANA</b>	<u>DARK OBLIQUE-BARRED TWIST</u>	
<b>PANDEMIS LIMITATA</b>	<u>THREELINED LEAFROLLER</u>	
<b>PANDEMIS PYRUSANA</b> Lepidoptera:Tortricidae		<b>FOR/ORC</b>
<b>PANDEMIS RIBEANA</b> Lepidoptera:Tortricidae		<b>FOR</b>

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<b>PANOLIS FLAMMEA</b>	<u>PINE BEAUTY MOTH</u>	
<b>PARALOBESIA VITEANA</b> (Endopiza V.) Lepidoptera:Olethreutidae	<u>EUROPEAN GRAPE BERRY MOTH</u>	<b>VIN</b>
<b>PARAPEDIASIA TETERRELLA</b>	<u>BLUEGRASS WEBWORM</u>	
<b>PARANTHRENE REGALE</b> Lepidoptera:Sesiidae	<u>GRAPE CLEARWING MOTH</u>	
<b>PARANTHRENE SIMULANS</b> Lepidoptera:Sesiidae	<u>OAK (CLEARWING) BORER</u>	<b>FOR</b>
<b>PARANTHRENE TABANIFORMIS</b>	<u>POPLAR TWIG BORER, DUSKY CLEARING MOTH</u>	
<b>PECTINOPHORA GOSSYPIELLA</b>	<u>PINK BOLLWORM</u>	
<b>PEDIASIA TETERRELUS</b>	<u>BLUEGRASS WEBWORM</u>	
<b>PENNISETIA HYLAEIFORMIS</b>	<u>RASPBERRY CLEARWING MOTH</u>	
<b>PERIBATODES RHOMBOIDARIA</b> Lepidoptera:Geometridae	<u>WILLOW BEAUTY</u>	<b>FOR</b>
<b>PERIDROMA SAUCIA</b>	<u>VARIEGATED CUTWORM</u>	
<b>PERIPLANETA AMERICANA</b> Orthoptera:Blattidae	<u>AMERICAN COCKROACH</u>	<b>STO</b>
<b>PETROVA RESINELLA</b> Lepidoptera:Olethreutidae	<u>PINE RESIN GALL MOTH</u>	<b>FOR</b>
<b>PEXICOPIA MALVELLA</b> Lepidoptera:Gelechiidae	<u>MALLOW SEED MOTH</u>	<b>FIE</b>
<b>PHTHORIMAEA OPERCULELLA</b>	<u>POTATO TUBERWORM MOTH</u>	
<b>PHYLLOCNISTIS CITRELLA</b>	<u>CITRUS LEAFMINER</u>	
<b>PHYLLONORYCTER BLANCARDELLA</b> (Lithocolletis)	<u>SPOTTED TENTIFORM LEAFMINER</u>	
<b>PHYLLONORYCTER CORYLIFOLIELLA</b> (Lithocolletis)	<u>UPPER LEAF SURFACE MINING MOTH</u>	
<b>PHYLLOPERTHA HORTICOLA</b>	<u>GARDEN CHAFER</u>	

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<b>PITYOGENES CHALCOGRAPHUS</b> Coleoptera:Scolytidae	<u>SIX-TOOTHED SPRUCE BARK BEETLE</u>	<b>FOR</b>
<b>PLANOCOCCUS CITRI</b>	<u>CITRUS MEALY BUG</u>	
<b>PLANOCOCCUS FICUS</b>	<u>VINE MEALY BUG</u>	
<b>PLATYEDRA SUBCINEREA</b> Lepidoptera:Gelechiidae	<u>COTTON STEM MOTH</u>	<b>FIE</b>
<b>PLATYNOTA FLAVEDANA</b>	<u>VARIEGATED LEAFROLLER</u>	
<b>PLATYNOTA IDAEUSALIS</b>	<u>TUFTED APPLE BUD MOTH</u>	
<b>PLATYNOTA STULTANA</b>	<u>OMNIVOROUS LEAFROLLER</u>	
<b>PLATYPTILIA CARDUIDACTYLA</b>	<u>ARTICHOKE PLUM MOTH</u>	
<b>PLODIA INTERPUNCTELLA</b>	<u>INDIAN MEAL MOTH</u>	
<b>PLUSIA CHALCITES</b>	See: Chrysodeixis Ch.	
<b>PLUSIA GAMMA</b>	See: Autographa G.	
<b>PLUTELLA MACULIPENNIS</b>	See: P. Xylostella	
<b>PLUTELLA XYLOSTELLA</b>	<u>DIAMONDBACK MOTH</u>	
<b>PODOSESIA SYRINGAE</b>	<u>LILAC BORER/ASH BORER</u>	
<b>POLIA PISI</b>	See: Mamestra P.	
<b>POPILLA JAPONICA</b> Coleoptera:Scarabaeidae	<u>JAPANESE BEETLE</u>	<b>FIE/HOR</b>
<b>PORTHETRIA DISPAR</b>	See: Lymantria D.	
<b>PRAYS CITRI</b>	<u>CITRUS FLOWER MOTH</u>	

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<b>PRAYS OLEAE</b>	<u>OLIVE MOTH</u>	
<b>PRIONOXYSTUS ROBINIAE</b> Lepidoptera:Cossidae	<u>CARPENTER WORM</u>	<b>FOR</b>
<b>PROCERAS VENOSATUS</b> Lepidoptera:Pyralidae	<u>STRIPED SUGARCANE BORER</u>	<b>FIE</b>
<b>PRODENIA ERIDANIA</b>	See: Spodoptera E.	
<b>PROSTEPHANUS TRUNCATUS</b> Coleoptera:Bostrichidae	<u>GREATER GRAIN BORER</u>	<b>STO</b>
<b>PSEUDALETIA SEPARATA</b> Lepidoptera:Noctuidae	<u>RICE ARMYWORM/</u> <u>ORIENTAL ARMYWORM/</u> <u>WALKWORM</u>	<b>FIE/VEG</b>
<b>PSEUDALETIA UNIPUNCTA (Mythimna U.)</b> <b>FIE/VEG</b> Lepidoptera:Noctuidae	<u>ARMYWORM MOTH</u>	
<b>PSEUDAULACASPIS PENTAGONA</b> Homoptera:Diaspididae	<u>WHITE PEACH SCALE</u>	<b>ORC</b>
<b>PSEUDOCOCCUS COMSTOCKI</b> Homoptera:Pseudococcidae	<u>COMSTOCK MEALYBUG</u>	<b>ORC</b>
<b>PSEUDOGALLERIA LEUCOTRETA</b>	See: Cryptophlebia L.	
<b>PSEUDOPLUSIA INCLUDENS</b> Lepidoptera:Noctuidae	<u>SOYBEAN LOOPER</u>	<b>FIE</b>
<b>PTYCHOLOMA LECHEANA</b>	<u>LECHE'S TWIST MOTH</u>	
<b>PTYCHOLOMA LECHEANA CIRCUMCLUSANA</b> Lepidoptera:Tortricidae		<b>ORC</b>
<b>PYRAUSTA AURATA</b> Lepidoptera:Pyralidae		
<b>QUADRASPIDIOTUS PERNICIOSUS</b> Homoptera:Diaspididae	<u>SAN JOSE SCALE</u>	<b>ORC/FOR</b>
<b>RAPHIA FRATER</b> Lepidoptera:Noctuidae		
<b>RHAGOLETIS CERASI</b>	<u>EUROPEAN CHERRY FRUIT FLY</u>	<b>FLY</b>

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<b>RHAGOLETIS CINGULATA</b>	<u>CHERRY FRUIT FLY</u>	<b>ORC</b>
<b>RHAGOLETIS COMPLETA</b>	<u>WALNUT HUSK FLY</u>	<b>ORC</b>
<b>RHAGOLETIS FAUSTA</b>	<u>BLACK CHERRY FRUIT FLY</u>	<b>ORC</b>
<b>RHAGOLETIS MENDAX</b>	<u>BLUEBERRY MAGGOT</u>	<b>ORC</b>
<b>RHAGOLETIS POMONELLA</b>	<u>APPLE MAGGOT</u>	<b>ORC</b>
<b>RHAGOLETIS CERASI</b>	<u>EAROPEAN CHERRY FRUIT FLY</u>	
<b>RHOPOBOTA NAEVANA</b>	<u>BLACK HEADED FIREWORM</u>	
<b>RHYACIONIA BUOLIANA</b>	<u>EUROPEAN PINE SHOOT MOTH</u>	
<b>RHYACIONIA FRUSTRANA</b> Lepidoptera:Olethreutidae	<u>NANTUCKET PINE TIP MOTH</u>	<b>FOR</b>
<b>RHYACIONIA NEOMEXICANA</b> Lepidoptera:Olethreutidae	<u>SOUTHWESTERN PINE TIP MOTH</u>	<b>FOR</b>
<b>RHYACIONIA RIGIDANA</b> Lepidoptera:Olethreutidae	<u>PITCH PINE TIP MOTH</u>	<b>FOR</b>
<b>RHYNCHOPHORUS FERRUGINEUS</b>	<u>RED PALM WEEVIL 700 MG LURE</u>	
<b>RHYZOPERTHA DOMINICA</b>	<u>LESSER GRAIN BORER</u>	
<b>RIPTORUS CLAVATUS</b>	<u>BEAN BUG</u>	
<b>RIPTORTUS CLAVATUS</b>	<u>BEAN BUG</u>	<b>PV</b>
<b>SABULODES AEGROTATA</b> Lepidoptera:Geometridae	<u>OMNIVOROUS LOOPER</u>	
<b>SANNINOIDEA EXITIOSA</b>	See: Synanthedon E.	
<b>SCIRPOPHAGA NIVELLA</b>	<u>SUGARCANE TOP BORER</u>	
<b>SCOLYTUS MULTISTRIATUS</b> Coleoptera:Scolytidae	<u>SMALLER EUROPEAN ELM BARK BEETLE</u>	<b>FOR</b>
<b>SCOLYTUS SCOLYTUS</b> Coleoptera:Scolytidae	<u>LARGE ELM BARK BEETLE</u>	<b>FOR</b>

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<b>SCOTIA EXCLAMATIONIS</b>	See: Agrotis E.	
<b>SCOTIA SEGETUM</b>	See: Agrotis S.	
<b>SCOTIA IPSILON</b>	See: Agrotis I.	
<b>SCOTOGRAMMA TRIFOLII</b> (Dicestra T.) Lepidoptera:Noctuidae	<u>CLOVER CUTWORM MOTH/</u> <u>CLOVER MOTH</u>	<b>FIE/VEG</b>
<b>SCROBIPALPA OCELLATELLA</b>	<u>SUGAR BEET MOTH</u>	
<b>SESIA APIFORMIS</b>	<u>HORNET MOTH</u>	
<b>SESAMIA CALAMISTIS</b>	<u>PINK MAIZE BORER.</u>	
<b>SESAMIA INFERENS</b>	<u>PURPLE STEM BORER</u>	
<b>SESAMIA NONAGRIOIDES</b>	<u>PINK STALK BORER</u>	
<b>SCROBIPALPOPSIS SOLANIVORA</b> Lepidoptera:Gelechiidae		<b>VEG</b>
<b>SESAMIA CALAMISTIS</b> Lepidoptera:Noctuidae		<b>FIE/VEG</b>
<b>SESAMIA CRETICA</b> Lepidoptera:Noctuidae	<u>DURA STEMBORER</u>	<b>FIE/VEG</b>
<b>SESAMIA INFERENS</b> Lepidoptera:Noctuidae	<u>PURPLE STEMBORER</u>	<b>FIE/VEG</b>
<b>SESAMIA NONAGRIOIDES</b> Lepidoptera:Noctuidae	<u>CORN STALK BORER</u>	<b>FIE</b>
<b>SESIA APIFORMIS</b>	<u>HORNET MOTH</u>	<b>NR</b>
<b>SETORA NITENS</b>	<u>COCONUT NETTLE CATERPILLAR</u>	
<b>SETORA NITENS</b>	<u>COCONUT CATERPILLAR</u>	<b>(I)</b>
<b>SETOTHOSEA ASIGNA</b>	<u>NETTLE CATERPILLAR</u>	
<b>SETOTHOSA ASIGNA</b>	<u>NETTLE CATERPILLAR</u>	<b>(I)</b>
<b>SITODIPLOPSIS MOSELLANA</b>	<u>ORANGE WHEAT BLOSSOM MIDGE</u>	
<b>SITOPHILUS GRANARIUS</b> (Calandra G.) Coleoptera:Curculionidae	<u>GRANARY WEEVIL/</u> <u>GRAIN WEEVIL</u>	<b>STO</b>
<b>SITOTROGA CEREALELLA</b>	<u>ANGOUMOIS GRAIN MOTH</u>	

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<b>SPARGANOTHIS PILLERIANA</b>	<u>GRAPE-BERRY MOTH</u>	
<b>SPARGANOTHIS SULFUREANA</b>	<u>SPARGANOTHIS FRUITWORM</u>	
<b>SPHECIA SININGENSIS</b>	<u>POPLAR POLE CLEARWING MOTH</u>	
<b>SPILONOTA OCELLANA</b>	<u>EYESPOTTED BUD MOTH</u>	
<b>SPOOPTERA DEPRAVATA</b> Lepidoptera:Noctuidae	<u>LAWN CUTWORM</u>	
<b>SPODOPTERA ERIDANIA</b>	<u>SOUTHERN ARMYWORM</u>	
<b>SPODOPTERA EXEMPTA</b>	<u>NUTGRASS ARMYWORM</u>	
<b>SPODOPTERA EXIGUA</b>	<u>BEET ARMYWORM/</u> <u>SMALL MOTTLED WILLOW</u>	
<b>SPODOPTERA FRUGIPERDA</b>	<u>FALL ARMYWORM</u>	
<b>SPODOPTERA FRUGIPERDA</b> Lepidoptera:Noctuidae	<u>FALL ARMY WORM</u>	<b>FIE</b>
<b>SPODOPTERA LITTORALIS</b>	<u>EGYPTIAN COTTON LEAFWORM</u>	
<b>SPODOPTERA LITURA</b>	<u>TOBACCO CUTWORM/</u> <u>CLUSTER CATERPILLAR</u>	
<b>SPODOPTERA PRAEFICA</b>	<u>WESTERN YELLOWSTRIPED</u> <u>ARMYWORM</u>	
<b>SPODOPTERA SUNIA</b> Lepidoptera:Noctuidae		<b>FIE</b>
<b>SYMMETRISCHEMA TANGOLIAS</b>	<u>POTATO TUBER MOTH</u>	<b>NR</b>
<b>SYNANTHEDON APIFORMIS</b> Lepidoptera:Sesiidae		<b>ORC</b>
<b>SYMMETRISCHEMA TANGOLIAS</b>	<u>PAPTO TUBER MOTH</u>	
<b>SYNANTHEDON BIBIONIPENNIS</b>	<u>STRAWBERRY CROWN MOTH</u>	
<b>SYNANTHEDON CONOPIFORMIS</b>	<u>DALE'S OAK CLEARWING</u>	

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<b>SYNANTHEDON CULICIFORMIS</b>	<u>LARGE RED-BANDED CLEARWING MOTH</u>	
<b>SYNANTHEDON EXITIOSA</b>	<u>PEACHTREE BORER</u>	
<b>SYNANTHEDON FLAVIVENTRIS</b>	<u>SALLOW CLEARWING</u>	
<b>SYNANTHEDON FORMICAEFORMIS</b>	<u>RED-TIPPED CLEARWING MOTH</u>	
<b>SYNANTHEDON HECTOR</b> Lepidoptera:Sesiidae	<u>CHERRY TREE BORER</u>	<b>ORC</b>
<b>SYNANTHEDON MYOPAEFORMIS</b> (Conopia M.) Lepidoptera:Sesiidae	<u>APPLE CLEARWING MOTH</u> <u>APPLE ROOT BORER</u>	<b>ORC</b>
<b>SYNANTHEDON MYOPAEFORMIS</b>	<u>APPLE CLEARWING MOTH</u>	
<b>SYNANTHEDON PICTIPES</b>	<u>LESSER PEACHTREE BORER</u>	
<b>SYNANTHEDON POLARIS</b>	<u>POLAR CLEARWING MOTH</u>	
<b>SYNANTHEDON POLARIS</b> S.rufibasalis	<u>POLAR CLEARWING MOTH</u>	<b>(I)</b>
<b>SYNANTHEDON RHODODENDRI</b> Lepidoptera:Sesiidae	<u>RHODODENDRON BORER</u>	<b>ORC/HOR</b>
<b>SYNANTHEDON SCITULA</b>	<u>DOGWOOD BORER</u>	
<b>SYNANTHEDON SCOLIAEFORMIS</b>	<u>WELSH CLEARWING</u>	
<b>SYNANTHEDON SOFFNERI</b>	<u>HONEYSUCKLE CLEARWING MOTH</u>	
<b>SYNANTHEDON SEQUOIAE</b>	<u>SEQUOIA PITCH MOTH</u>	
<b>SYNANTHEDON TIPULIFORMIS</b> Lepidoptera:Sesiidae	<u>CURRANT CLEARWING MOTH</u> <u>CURRANT BORER</u>	<b>ORC/VIN</b>
<b>SYNANTHEDON TIPULIFORMIS</b>	<u>CURRANT CLEARWING MOTH</u>	
<b>SYNANTHEDON VESPIFORMIS</b>		
<b>SYNDEMIS MUSCULANA</b>	<u>AUTUM LEAFROLLER</u>	

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<b>TECIA SOLANIVORA (SCROBIPALPOPSIS)</b>	<u>GUATEMALAN POTATO MOTH</u>	
<b>TETRANYCHUS CINNABARINUS</b> Acari:Tetranychidae	<u>CARMINE SPIDER MITE</u>	<b>FIE/ORC</b>
<b>TETRANYCHUS URTICAE</b> Acari:Tetranychidae	<u>TWO SPOTTED SPIDER MITE</u>	<b>FIE/ORC</b>
<b>THEUMATOTIBIA LEUCOTRETA (CRYPTOPHELIBA)</b>	<u>FALSE CODLING MOTH</u>	
<b>THAUMETOPOEA PITYOCAMPA</b>	<u>PINE PROCESSINARY MOTH</u>	
<b>THAUMETOPOEA PITYOCAMPA (SUPERLURE, 4 MG)</b>	<u>PINE PROCESSIONARY MOTH</u>	
<b>THAUMETOPOEA PROCESSIONEA</b>	<u>OAK PROCESSIONARY MOTH</u>	
<b>THAUMETOPOEA WILKINSONI</b> Lepidoptera:Notodontidae		<b>FOR</b>
<b>THYRIDOPTERYX EPHEMERAIFORMIS</b> Lepidoptera:Psychidae	<u>BAGWORM MOTH</u>	<b>HOR</b>
<b>THRIPS SPECIES (THRIPS TABACI, THRIPS MAJOR AND OTHERS)</b>		
<b>THRIPS SPECIES</b> (Thrips tabaci, Thrips major and others)		<b>(I)</b>
<b>TINEOLA BISSELLIELLA</b>	<u>WEBBING CLOTHES MOTH</u>	
<b>TOMICUS PINIPERDA</b> (Blastophagus P.) Coleoptera:Scolytidae	<u>LARGER PINE SHOOT BORER</u>	<b>FOR</b>
<b>TORTRIX VIRIDANA</b>	<u>EUROPEAN OAK LEAFROLLER</u>	
<b>TRIBOLIUM CASTANEUM</b> Coleoptera:Tenebrionidae	<u>RED FLOUR BEETLE</u>	<b>STO</b>
<b>TRIBOLIUM CONFUSUM</b> Coleoptera:Tenebrionidae	<u>CONFUSED FLOUR BEETLE</u>	<b>STO</b>
<b>TRICHOPLUSIA NI</b>	<u>CABBAGE LOOPER</u>	
<b>TRICHOPLUSIA NI</b> Lepidoptera:Noctuidae	<u>CABBAGE LOOPER/NI MOTH</u>	<b>FIE/VEG</b>
<b>TRIGONOTYLUS CAELESTIALIUM</b>	<u>RICE LEAF BUG</u>	
<b>TRIGONOTYLUS CAELESTIALIUM</b>	<u>RICE LEAF BUG</u>	<b>(I)</b>

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<b>TROGODERMA GRANARIUM</b> Coleoptera:Dermestidae	<u>KHAPRA BEETLE</u>	<b>STO</b>
<b>TROGODERMA INCLUSUM</b> Coleoptera:Dermestidae		<b>STO</b>
<b>TROGODERMA VARIABLE</b> Coleoptera:Dermestidae	<u>WAREHOUSE BEETLE</u>	<b>STO</b>
<b>TRYPODENDRON LINEATUM</b> Coleoptera:Scolytidae	<u>STRIPED AMBROSIA BEETLE</u> <u>AMBROSIA BEETLE</u>	<b>FOR</b>
<b>TUTA ABSOLUTA</b> <b>(Scrobipalpuloides)</b>	<u>TOMATO LEAFMINER</u>	
<b>VITACEA POLISTIFORMIS</b>	<u>GRAPE ROOT BORER</u>	
<b>XESTIA ADELA</b> (Amathes C-Nigrum) Lepidoptera:Noctuidae	<u>SMALL SPOTTED CUTWORM</u>	<b>FIE/VEG</b>
<b>XESTIA DOLOSA</b> (Amathes C-Nigrum, large form) Lepidoptera:Noctuidae	<u>LARGE SPOTTED CUTWORM</u>	<b>FIE/VEG</b>
<b>XYLOMYGES CURIALIS</b>	<u>CITRUS CUTWORM</u>	
<b>YPONOMEUTA EVONYMELLA</b>	<u>BIRD-CHERRY ERMINE MOTH</u>	
<b>YPONOMEUTA MALINELLUS</b>	<u>APPLE ERMINE MOTH</u>	
<b>YPONOMEUTA PADELLA</b> <b>(SYN. HUPONOMEUTA PADELLA)</b>	<u>ORCHARD ERMINE MOTH</u>	
<b>ZEIRAPHERA DINIANA</b> Lepidoptera:Olethreutidae	<u>LARCH BUD MOTH</u> (L-Form) <u>CEMBRAN PINE BUD MOTH</u> (C-Form)	<b>FOR</b>
<b>ZEUZERA PYRINA</b>	<u>LEOPARD MOTH</u>	
<b>ZYGAENA EPHIALTES</b> Lepidoptera:Zygaenidae		
<b>ZYGAENA HIPPOCREPIDIS</b> Lepidoptera:Zygaenidae		

July/2018