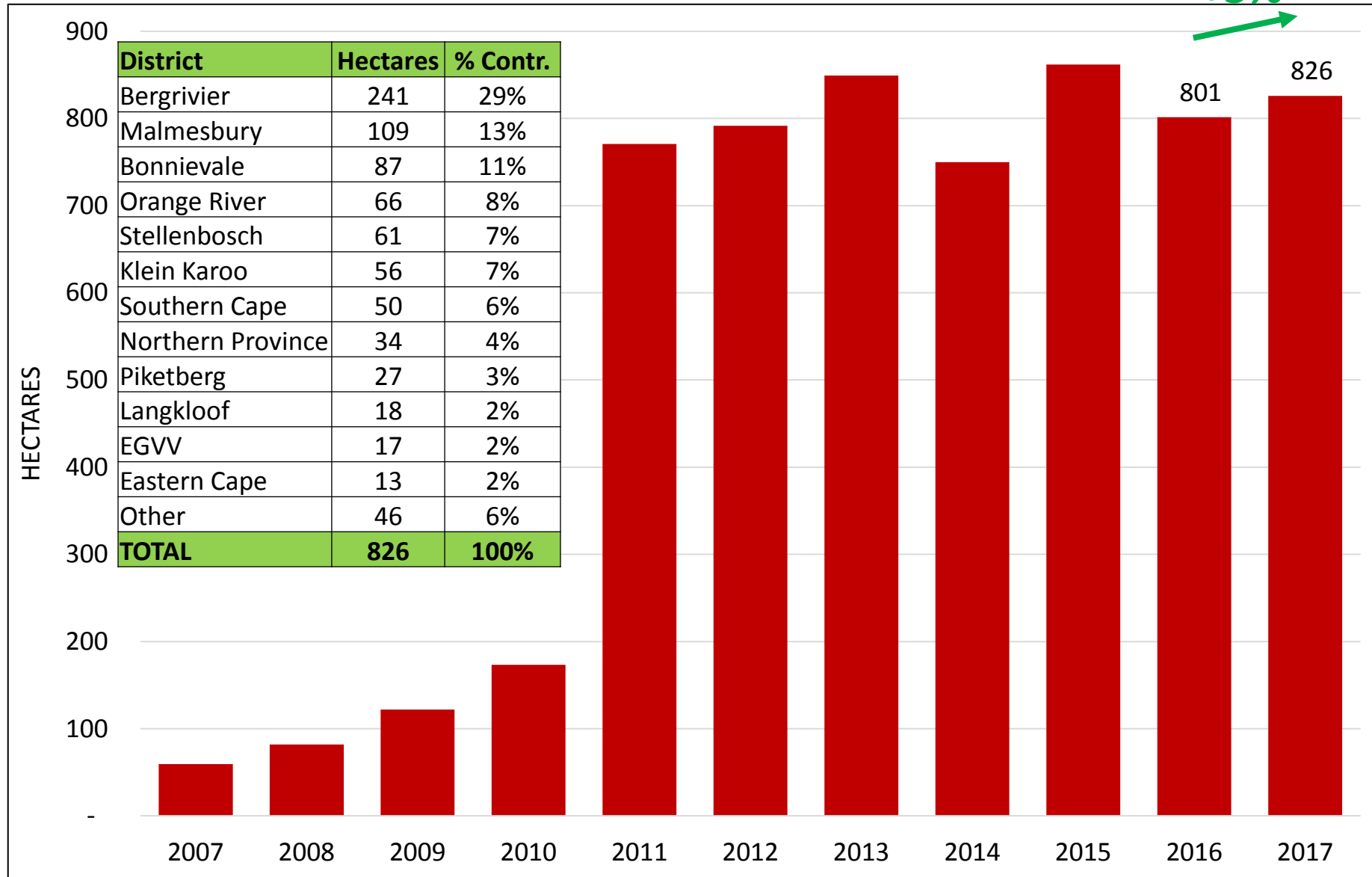


POMASA

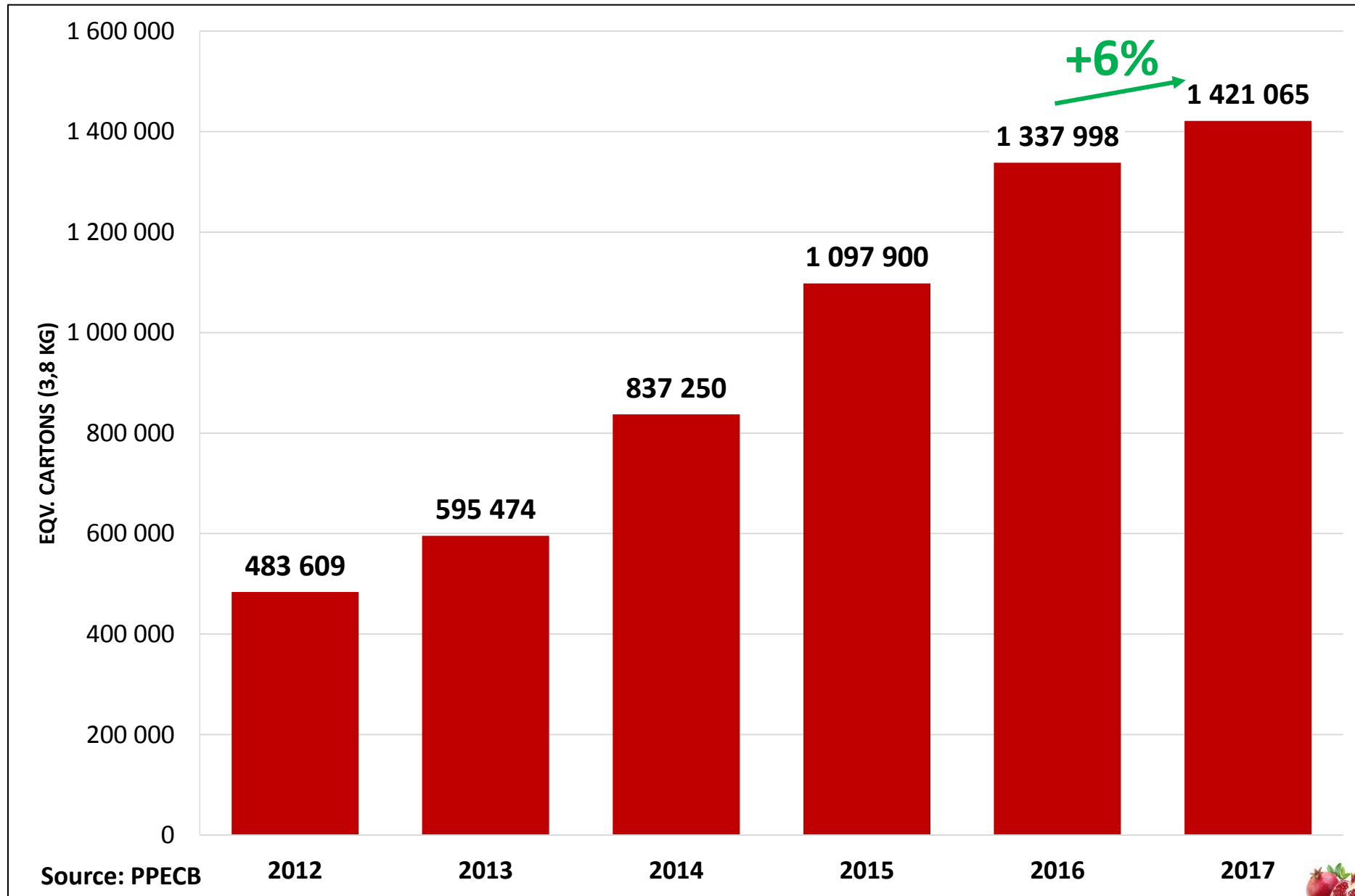
POMEGRANATE ASSOCIATION
OF SOUTH AFRICA

MINOR CROPS APRIL 2018

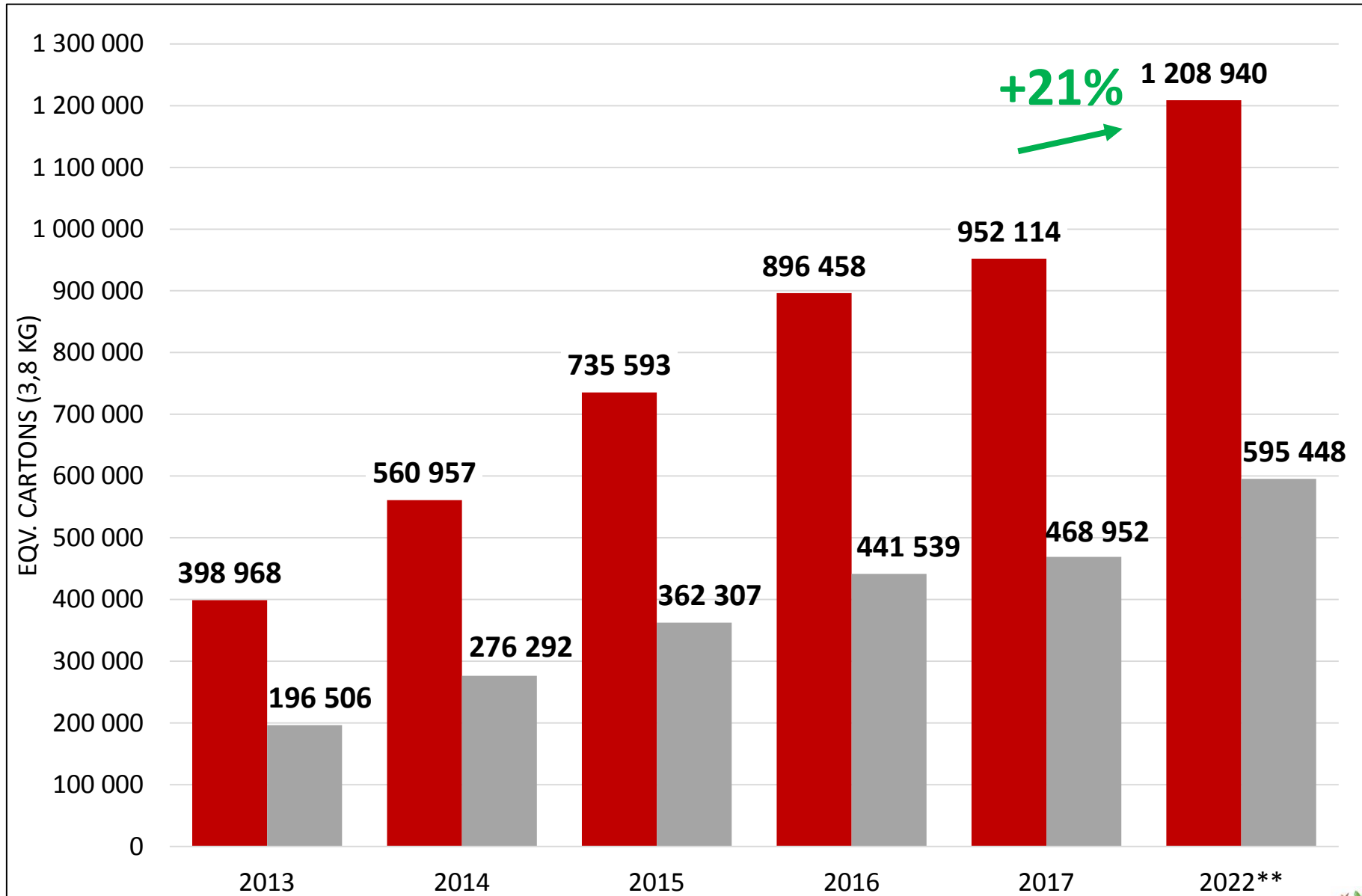
Total Area Planted (ha)



Total SA Exports (Eqv. Cartons = 3,8 Kg)



Mid Term Projection



Critical pests and diseases on pomegranates

Pests	Diseases
Mites	Botrytis
Mealybugs	Alternaria
False codling moth	Antrachnose
Thrips	Phytophthora
Bollworm	Conielia granati
Fruit fly	Aspergillus
Aphids	Penicillium
White fly	
Nematodes	
Carob moth	
Ants	
Snails	
Chinch bug	

Critical pests on pomegranates

Pests	Registered	Gaps
Mites		
Mealybugs	imidacloprid	Chlorpyrifos, Buprofezin, Sulfoxaflor
False codling moth	Mating disruptions, Biological treatments, Chlorantraniliprole, Emamectin benzoate, Methoxyfenocide	
Thrips	Imidacloprid, spinetoram	
Bollworm	Chlorantraniliprole, Emamectin benzoate, Methoxyfenocide, spinetoram	
Fruit fly	Spinosad, methyl eugenol, mercaptothion	
Aphids	imidacloprid	
White fly	Biological treatments	
Nematodes	Chloropicrin, 1,3 dichloropropene	
Carob moth	Biological treatments, Chlorantraniliprole, Emamectin benzoate, Methoxyfenocide	
Snails		Snail bait
Chinch bug		Chlorpyrifos

Critical diseases on pomegranates

Diseases	Registered	Gaps
Botrytis	Fludioxinil, Pyrimethanil + Fludioxinil	Benomyl, Pyrimethanil, Copper, Boscalid
Alternaria	Azoxystrobin, Tebuconazole	Copper, Difenconazole
Antrachnose	Tebuconazole	Copper
Phytophthora		
Conielia granati	Fludioxinil	
Aspergillus		
Penicillium		

Other requirements

- Contact herbicide - paraquat
- Growth regulator - gibberelins

Active ingredients registered to date for various pests/diseases/weeds

Active ingredient	Pest/ disease/ weeds
(E,E)-8,10-dodecadien-1-ol [codlemone] + ethyl (2E, 4Z)-2,4-decadienoate	Codling moth
(Z)-8-dodecenyl acetate + (E)-8-dodecenyl acetate	False codling moth
1,3-dichloropropene	Nematodes
1,3-dichloropropene + chloropicrin	Fungi
8-hydroxyquinolene sulphate + busan 1009	Bacterial spot
Azoxystrobin	Alternaria
Bacillus thuringiensis	Bollworm - African bollworm
Beauveria bassiana	Mites - Red spider mite
bollworm nucleopolyhedrovirus	Bollworm - African bollworm
canola oil + garlic juice extract	Mites - Red spider mite
canola oil + garlic juice extract + pyrethrin extract + piperonyl butoxide	Aphids, red spider mite, Astylus beetle, Whitefly
chlorantraniliprole	False codling moth
chloropicrin	Bacterial wilt, soil fungi, Insects, wireworm, nematodes
E-8-dodecenyl acetate + Z-8-dodecenyl acetate + E/Z-8-dodecenol	False codling moth
Emamectin benzoate	False codling moth, African bollworm
false codling moth granulovirus	False codling moth

Active ingredients registered to date for various pests/diseases/weeds

Active ingredient	Pest/ disease/ weeds
fludioxonil	Botrytis
furfural	Soil fungi, nematodes
glyphosate	Weeds - Annual weeds
Helicoverpa armigera nucleopolyhedrovirus	Bollworm - African bollworm
imidacloprid	Mealy bug
mercaptotion	Fruit fly
methyl eugenol	Fruit fly - African invasive fruit fly
methyl eugenol + mercaptotion	Fruit fly - African invasive fruit fly
methoxyfenocide	False codling moth
pyrimethanil + fludioxonil	Botrytis
spinetoram	Thrips, bollworm, false codling moth
spinetoram	False codling moth
spinosad	Fruit fly
spinosad + methyl eugenol	Fruit fly
synthetic latex + alcohol ethoxylate	Adjuvant
tebuconazole	Fruit rot
terpenic polymer	Adjuvant
Thaumatotibia (Cryptophlebia) leucotreta granulovirus	False codling moth