



5



5

Mating disruption



Oriental moth



! Preventive effect - 3

*The preventive effect
is repeated for each period*



0



0



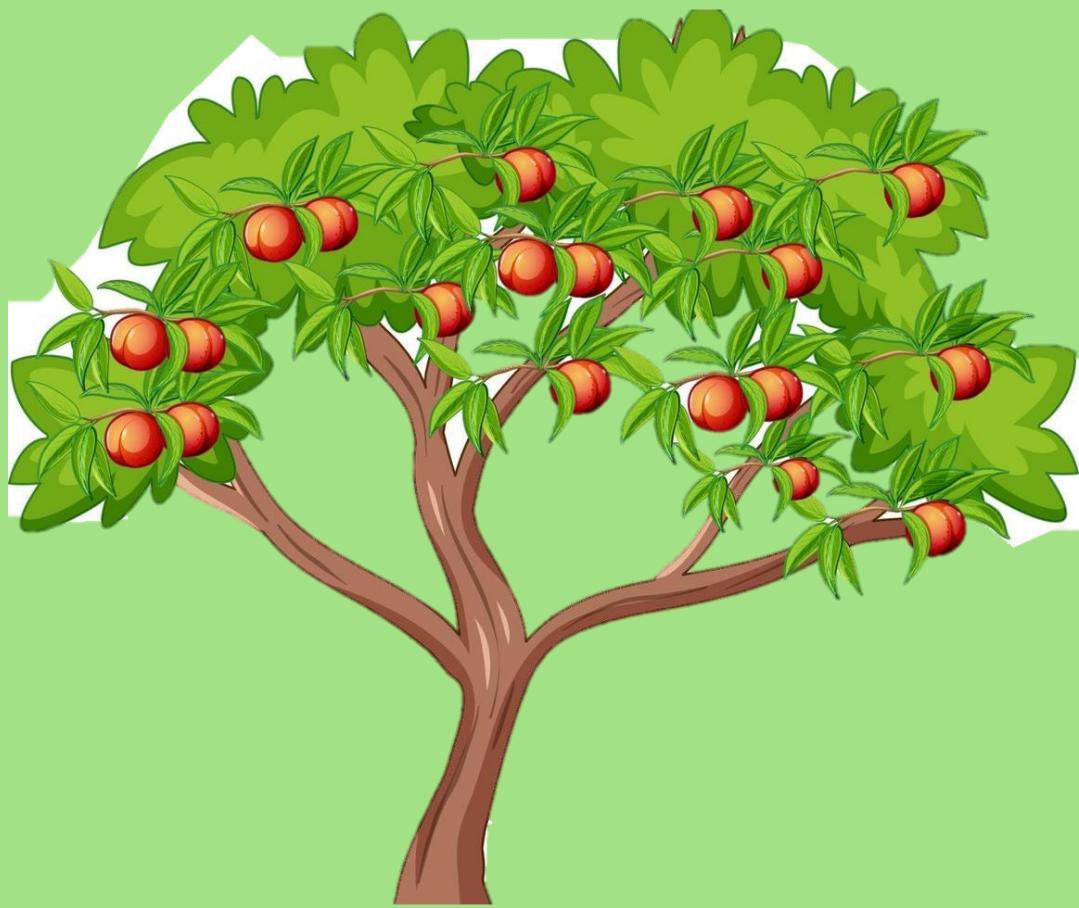
0



0



Crop cycle : - 1 & 2





3



2

Biocontrol insecticide

Bacillus thuringiensis

*Oriental moth*

**Bacillus
Thuringiensis**

*Curative effect*

- 4

**Maximum 2
treatments/year.**



0



0



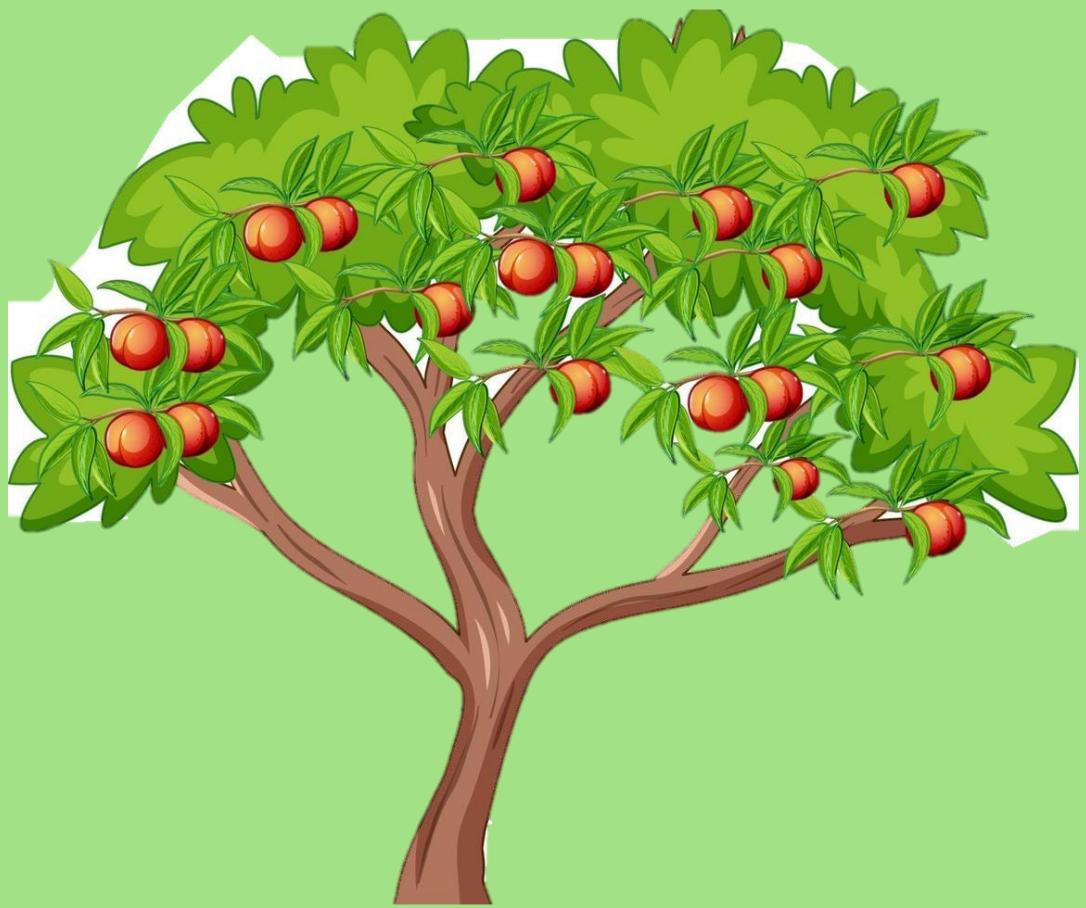
+ 2



0



Crop cycle : 2 to 5





1



2

Sulphur



*Powdery mildew
Mites*

Usable except



Cost and Time x2 when



Preventive effect - 2



Curative effect -1



+1



0



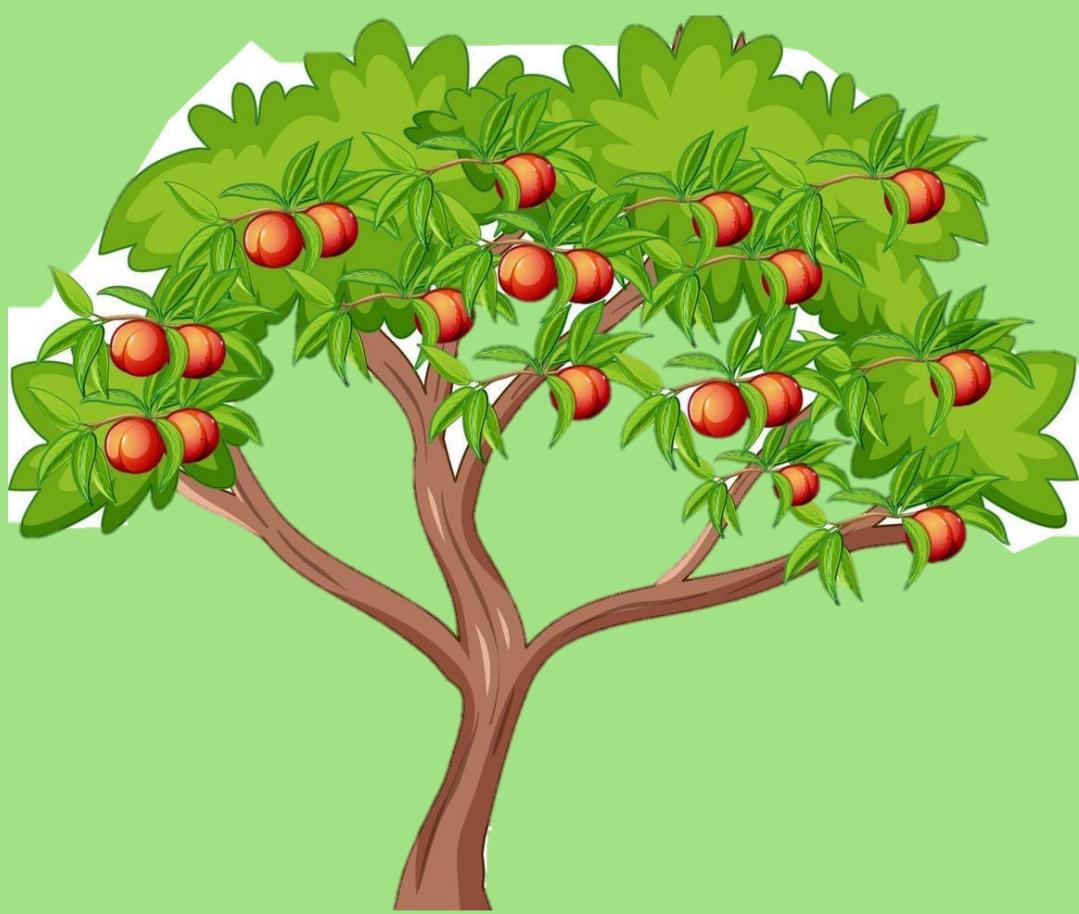
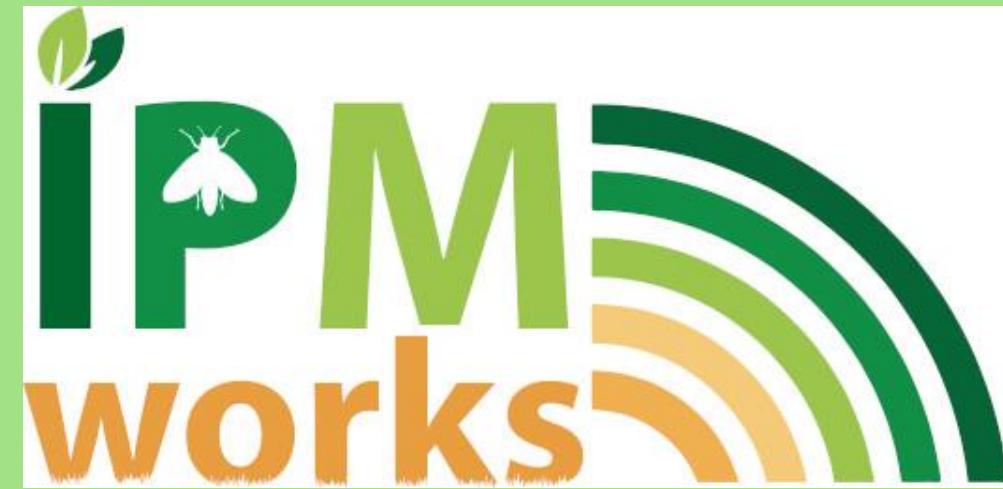
+2



+2



Crop cycle : 1 to 5





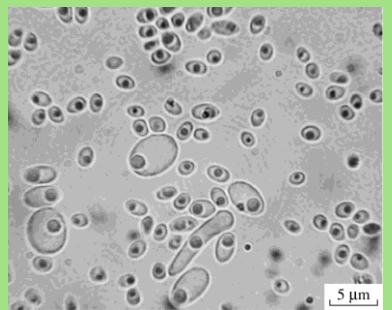
3



2

Microorganisms

B.subtilis, M. fructicola, S.cerevisiae



Brown rot



Usable only



Preventive effect - 2

Tox



0

Res



0

Eco



0

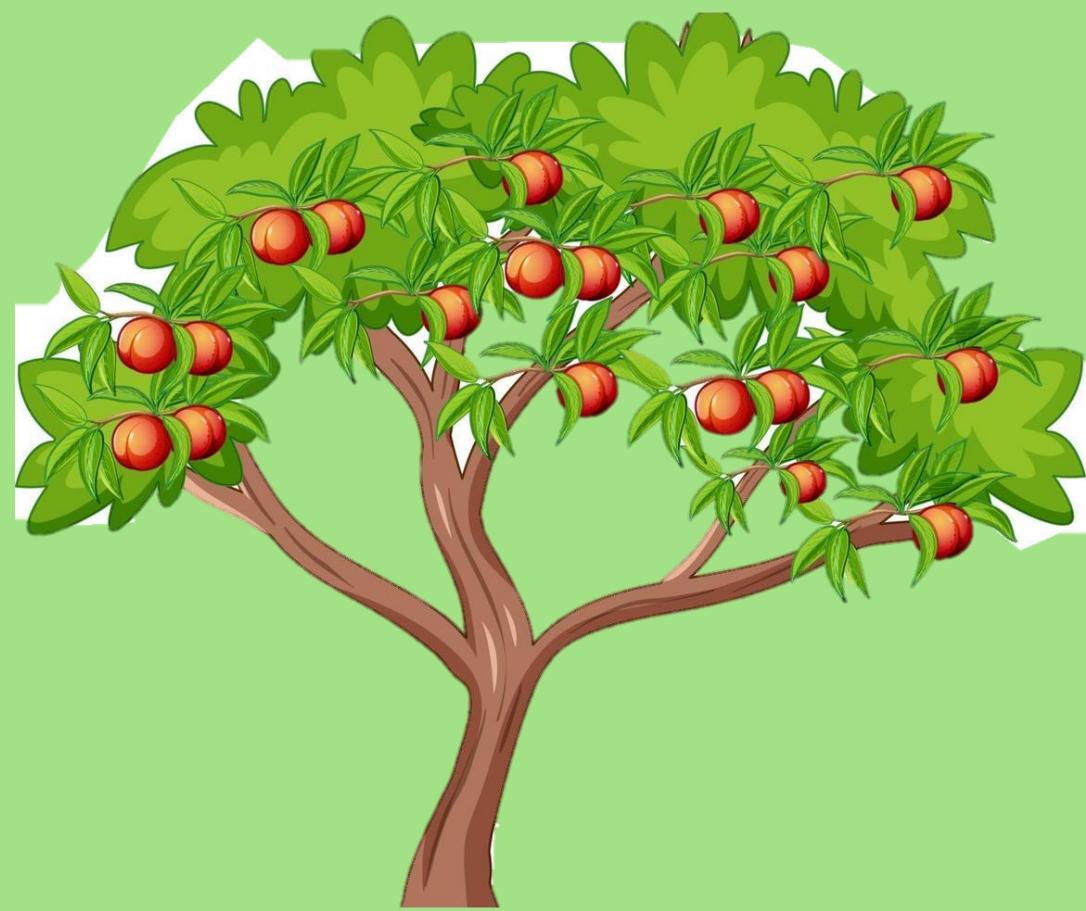
Ben



0



Crop cycle : 3 - 4





3



2

Microorganisms

B.bassiana



Western flower thrips



Usable only



Preventive effect

-2

Tox



0

Res



0

Eco



0

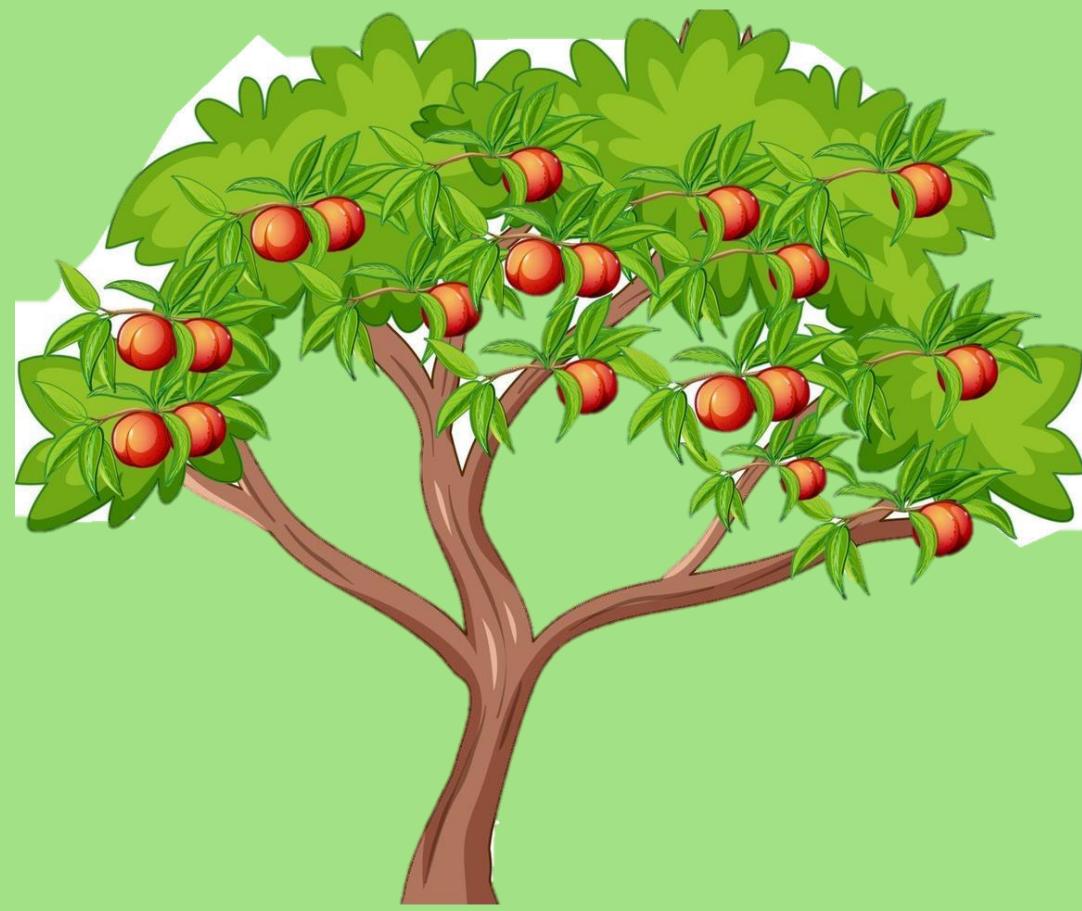
Ben



0



Crop cycle : 2 to 5



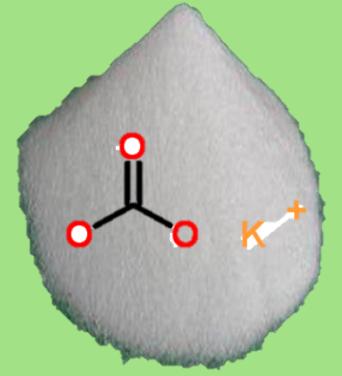


3



2

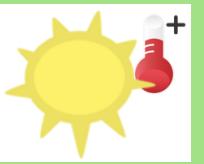
Potassium hydrogen carbonate



Brown rot

Powdery mildew
Storage diseases

Usable except



Preventive effect - 2



Curative effect - 1

Only in association with sulphur

Tox



0

Res



0

Eco



0

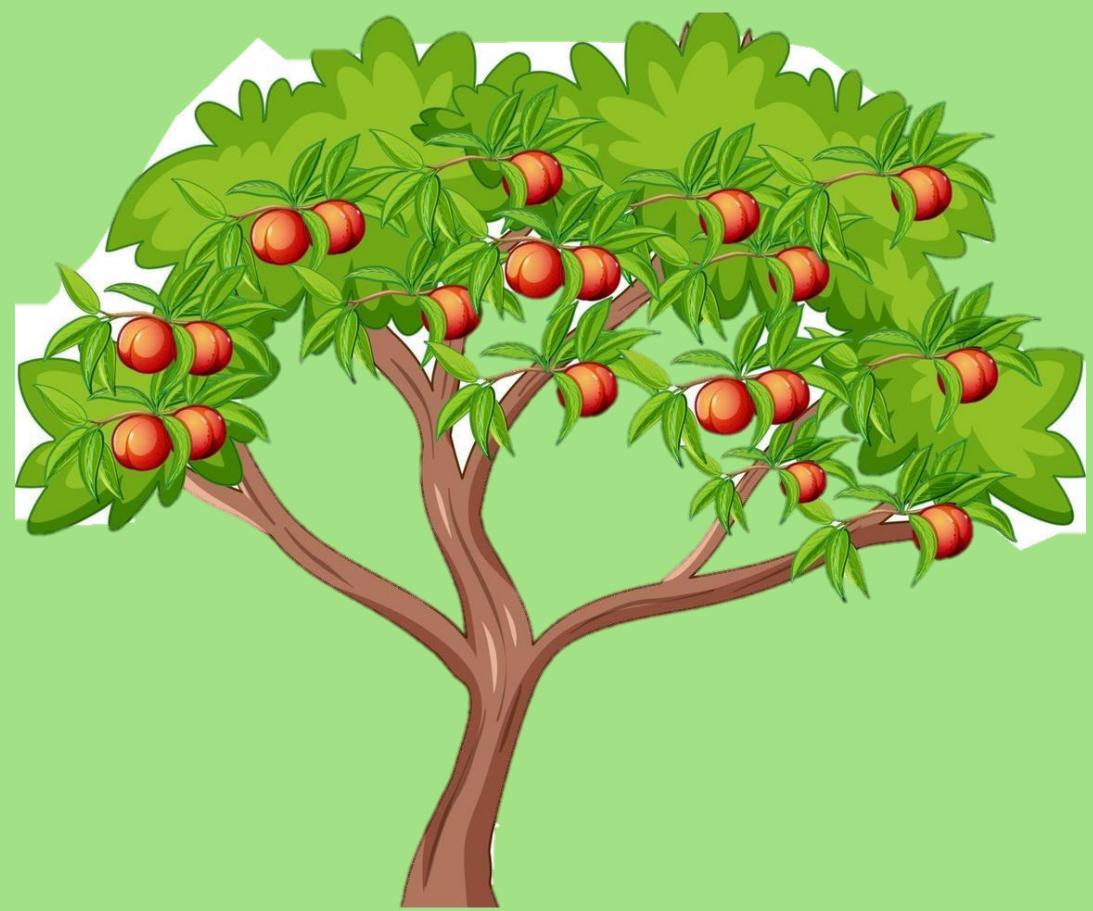
Ben



0



Crop cycle : 1 to 5





3



2

Essential oil

Sweet orange



Powdery mildew
Mites

*Usable only**Curative effect*

-3

Tox



+2

Res



0

Eco



+2

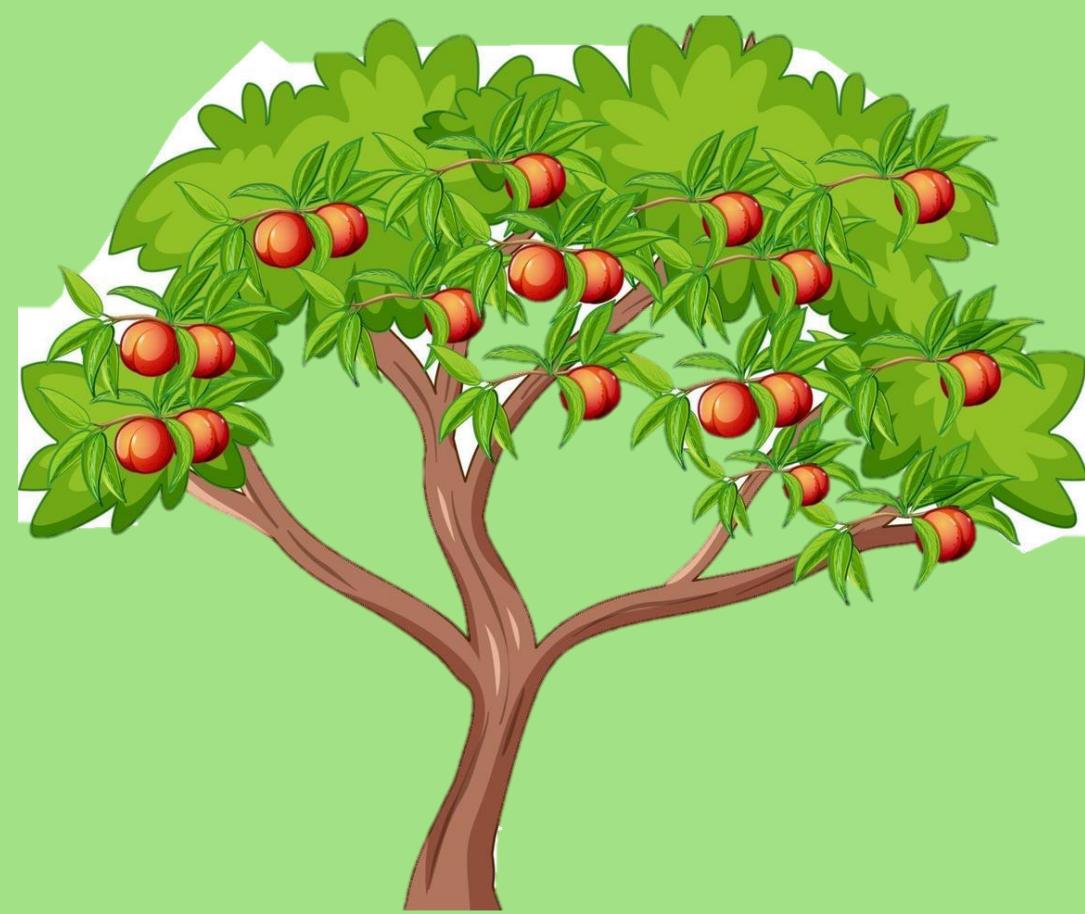
Ben



+2



Crop cycle : 1 to 4



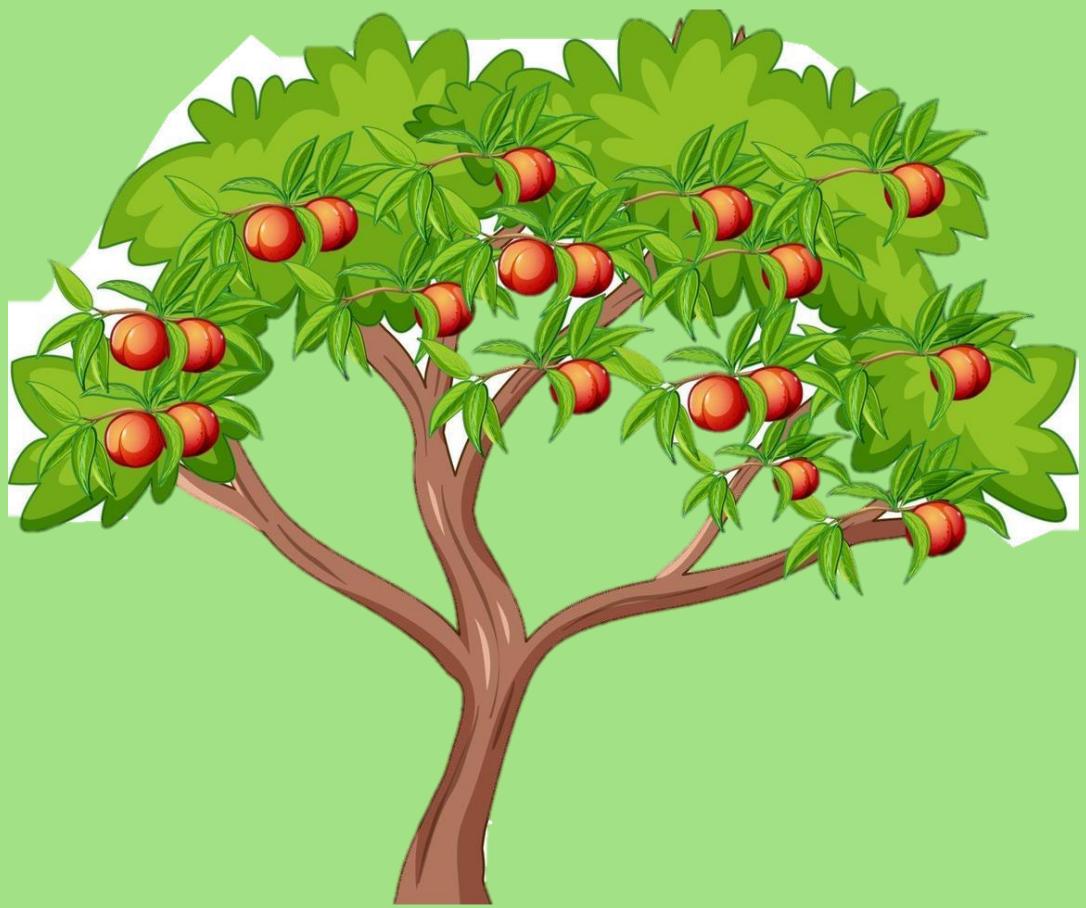


1



2

Paraffin oil

**Mites****Preventive effect****Prevents primary installation****Tox****+2****Res****0****Eco****0****Ben****0****Crop cycle : p**



2



2

Rape oil

**Mites****Preventive effect****Prevents primary installation**

0



0



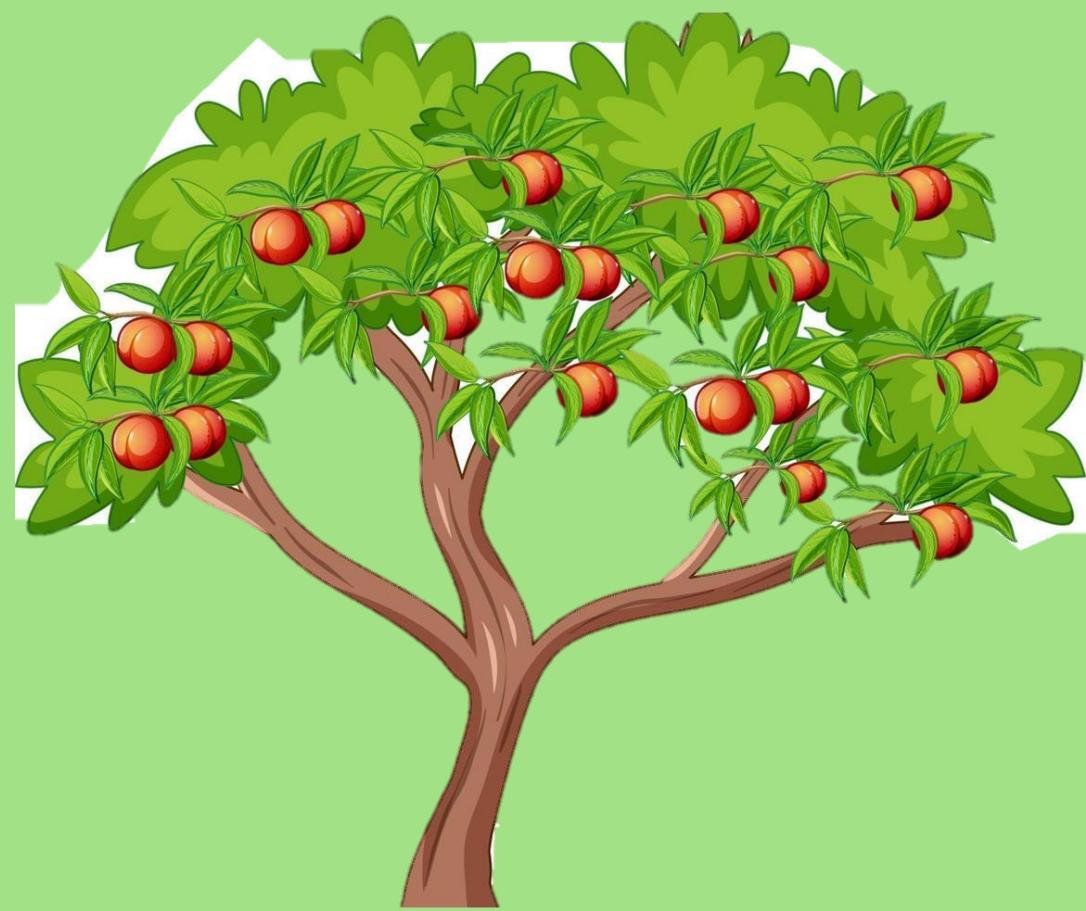
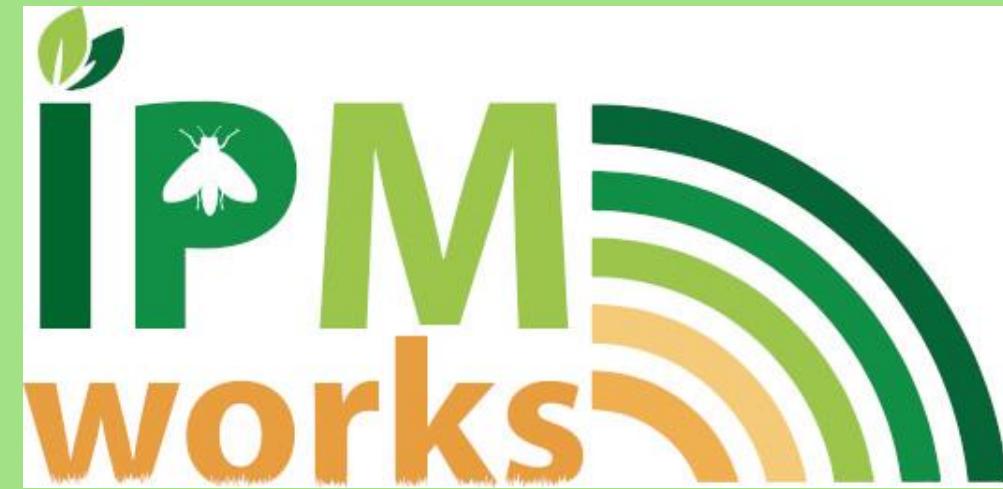
0



0



Crop cycle :





1

Per pest



2

Basic substances

Equisetum – Salix - Lecithin



Powdery mildew*
Leaf curl

* Non approved on peach tree



Preventive effect

-1

Tox	Res

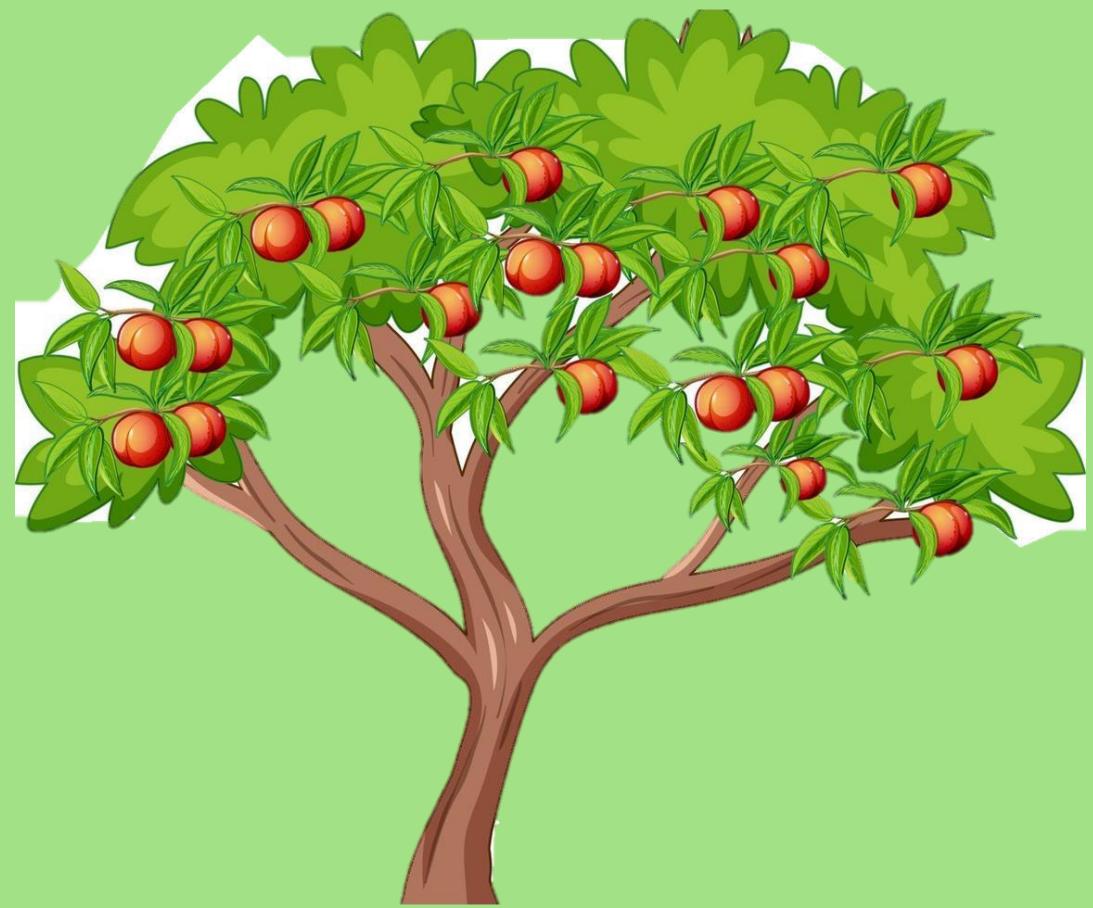
0 0

Eco	Ben

0 0



Crop cycle : 2 to 4





1

Per pest



2

Basic substance

Urtica



Aphids

Brown rot

Storage diseases



Preventive effect

-1

Tox	Res

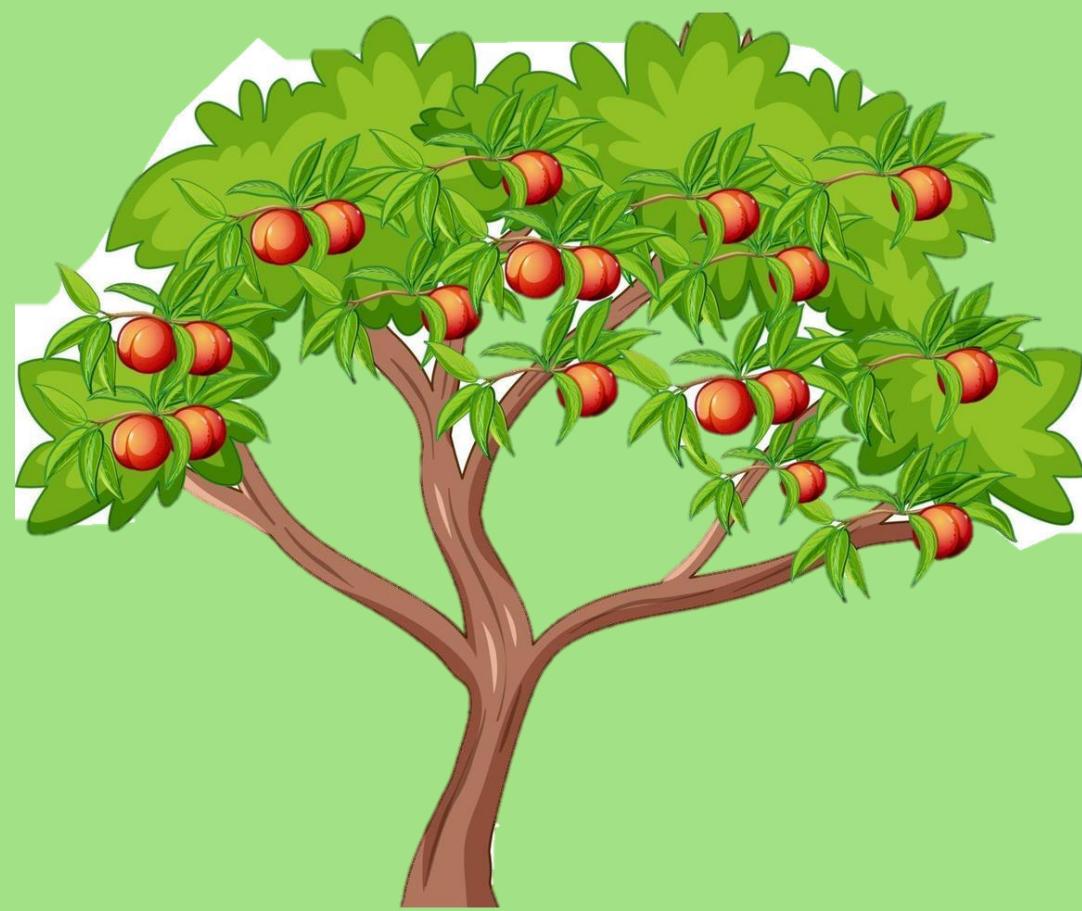
0 0

Eco	Ben

0 0



Crop cycle : 3 - 4



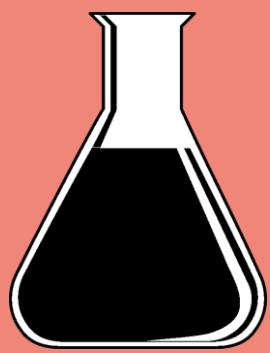


3



2

Bio-Insecticide Spinosad



*Oriental moth
Western flower thrips*



Maximum 2 treatments/year.



Curative effect

-3

Tox	Res

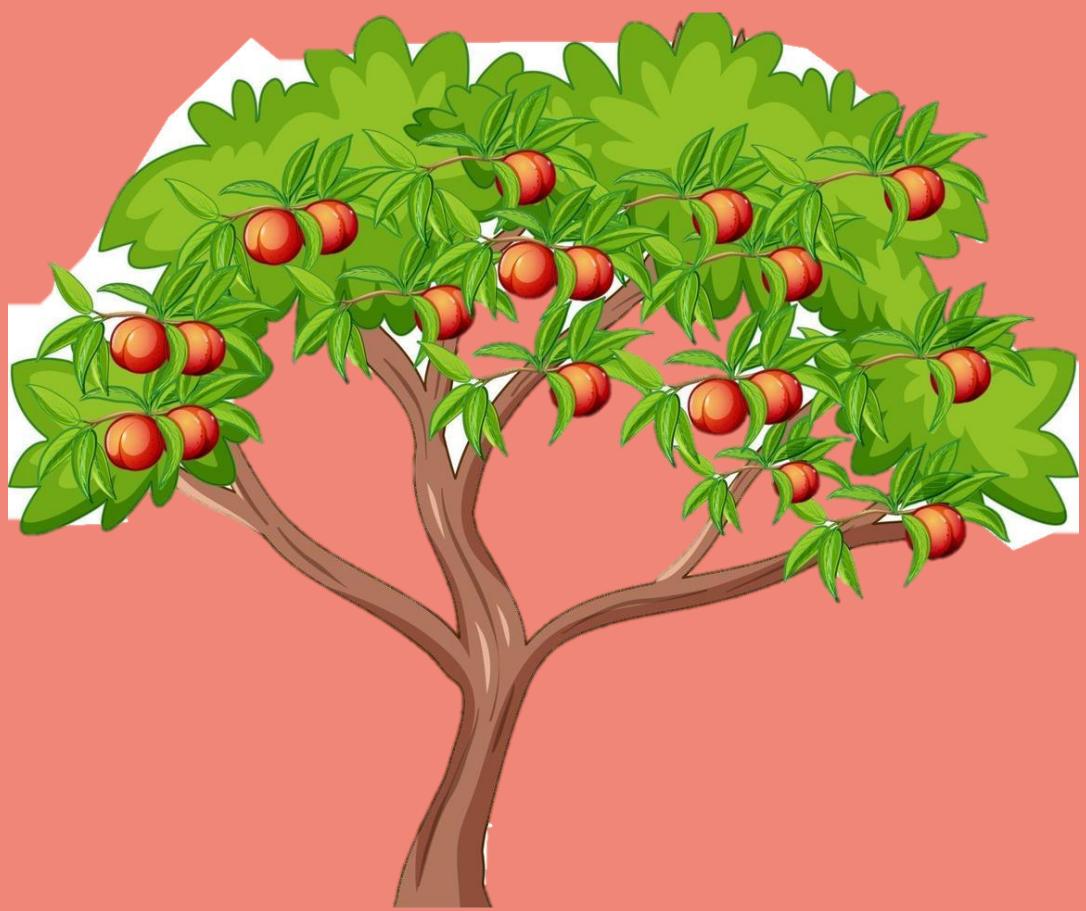
0 0

Eco	Ben

+1 + 1



Crop cycle : 2 to 5





2 (+1*)



2

Specific insecticide Émamectine, Spinetoram



Oriental moth
Western flower thrips

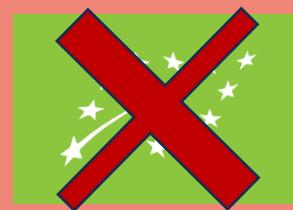


Curative effect

-3



* For 2 pests
Maximum 2 treatments/year.



Tox



+ 2

Res



0

Eco



+ 2

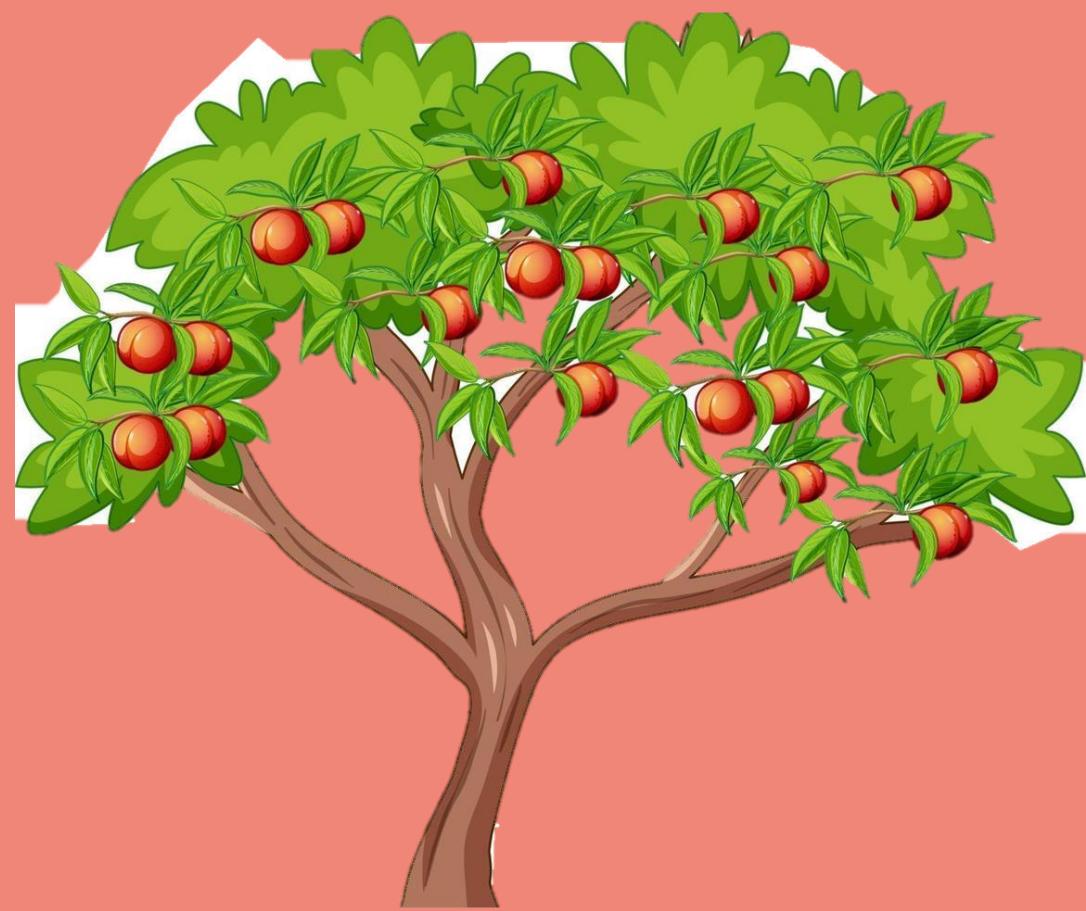
Ben



+ 1



Crop cycle: 2 to 5



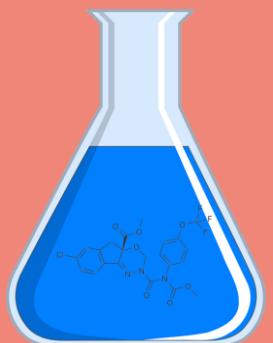


1



2

Copper – captan - dodine

*Leaf curl
Brown rot**Cost x2 when**x2 in periods 4&5**Preventive effect - 2**Curative effect -1*

+2



+ 2



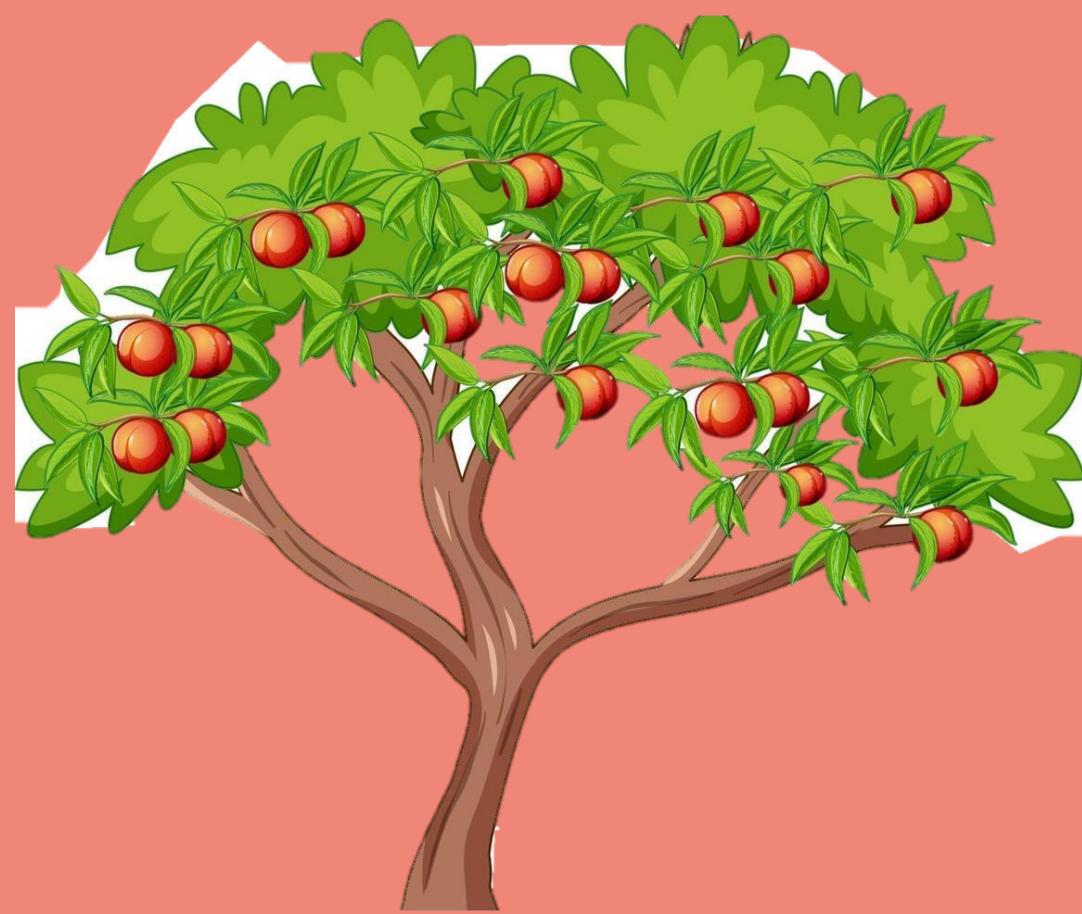
+ 3



+2



Crop cycle : 1 to 5





2



2

Specific fungicides

Storage diseases



Storage diseases



x2 in period 5



Preventive effect - 1



Curative effect - 4



+ 2



+ 3



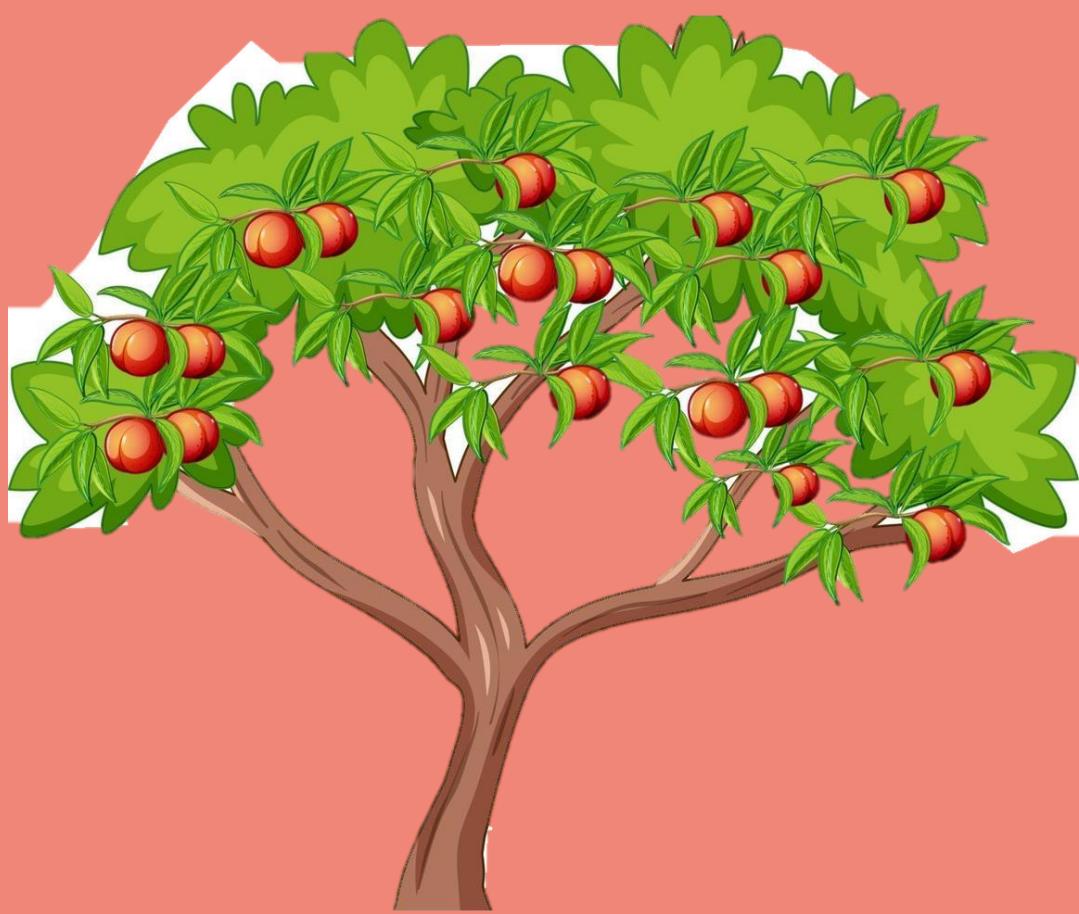
+ 2



+ 2



Crop cycle : 3 - 5





2 (+1*)



2

Specific fungicides – airborne diseases



Brown rot

Powdery mildew

*for 2 diseases



Maximum 2 treatments / year



Preventive effect - 1



Curative effect - 4

Res



Eco



Ben



+ 2



+ 2



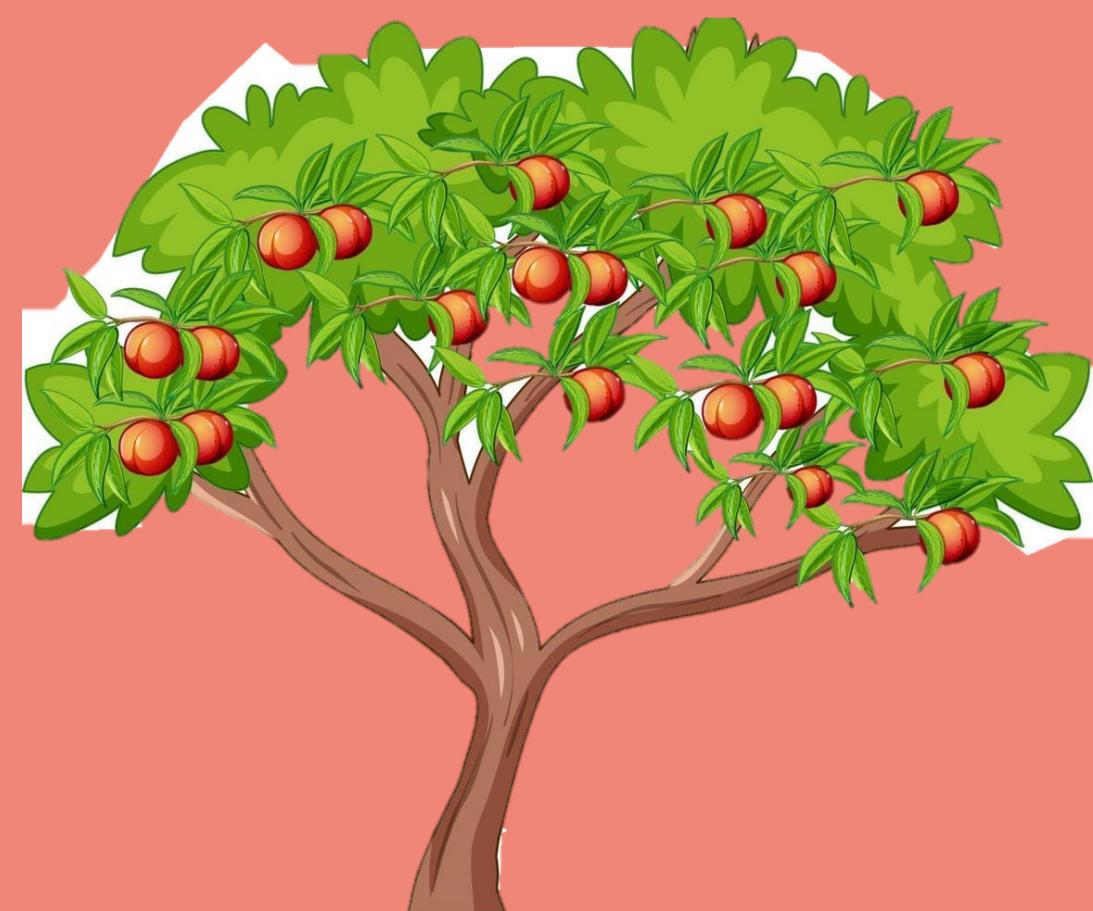
+ 2



+ 2



Crop cycle : 2 to 5



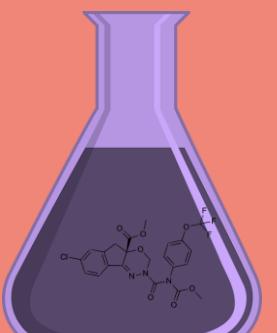


2



2

Acaricides

*Mites**Maximum
2 treatments / year**Curative effect*

- 4



+4



0



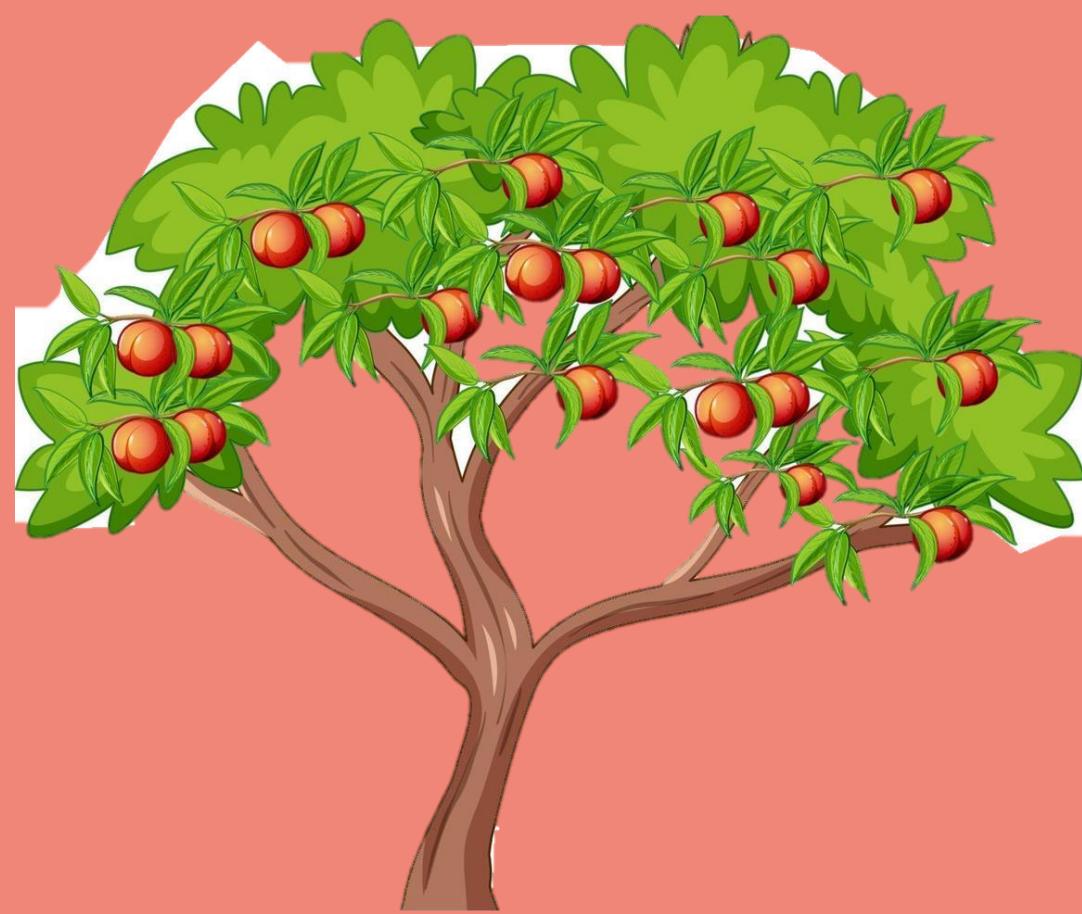
+ 4



+ 4



Crop cycle : 2 to 5





2



2

Aphicids

flonicamid - spirotetramat



Aphids



Maximum

2 treatments / year



Curative effect

- 3



+2



0



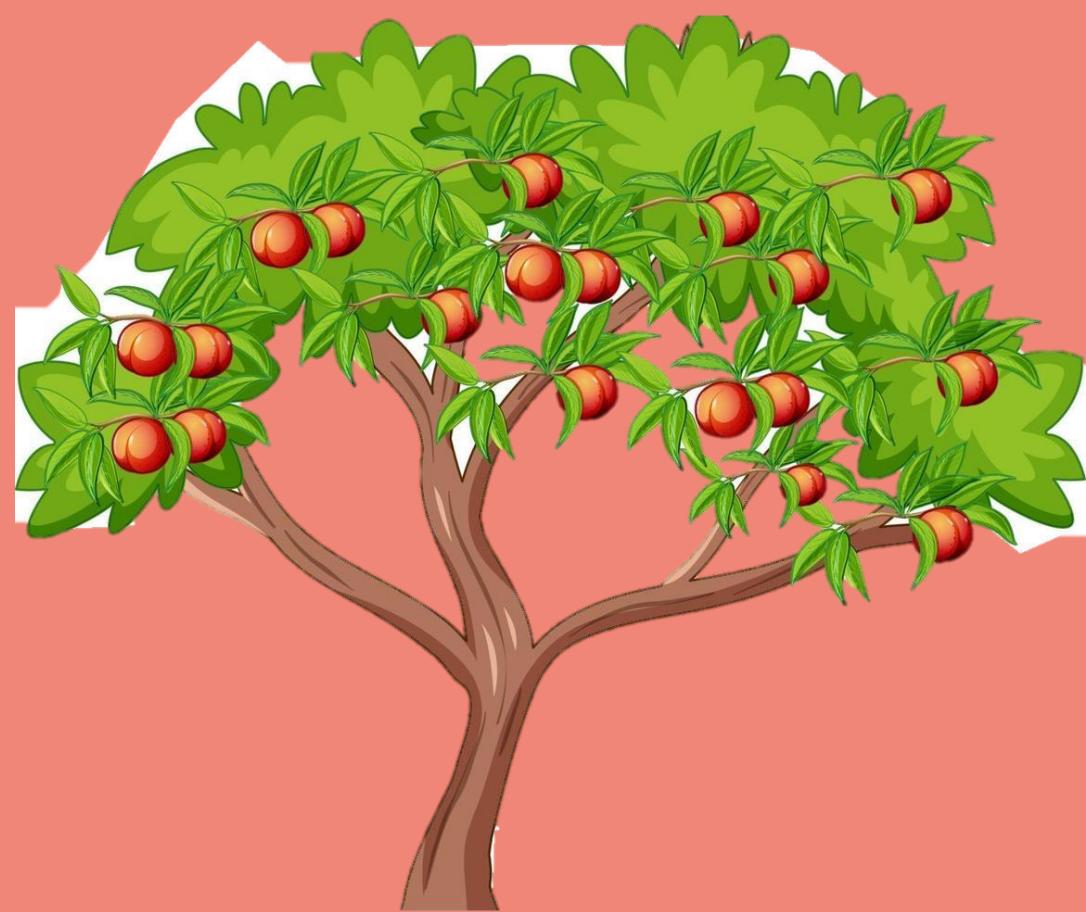
+ 2



+ 3



Crop cycle : 2 to 5





1



2

Polyvalent insecticide

Pyrethroids

*Aphids**Oriental moth**Western flower thrips**Maximum 2 treatments / year*
Costs x2 when*Curative effect*

- 4

Tox



+4

Res



0

Eco



+ 4

Ben



+ 4



Crop cycle : 2 to 5





2



2

Specific fungicide

Cyprodinil & fludioxonil

Fenpyrazamin, Isofetamid



Brown rot



Maximum 2 treatments/year



x2 in period 5



Curative effect

- 4

Tox



+ 3

Res



+ 3

Eco



+ 2

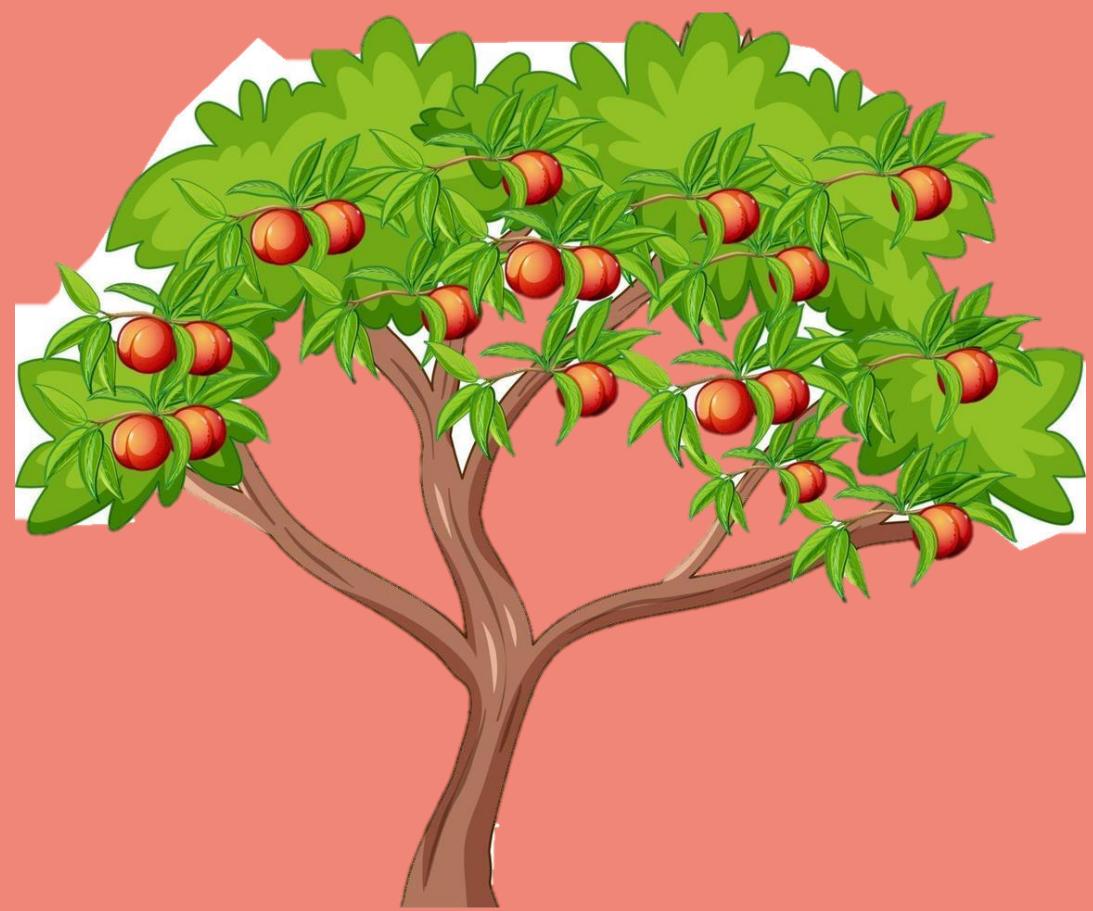
Ben



+ 2



Crop cycle : 2 to 5





2



2

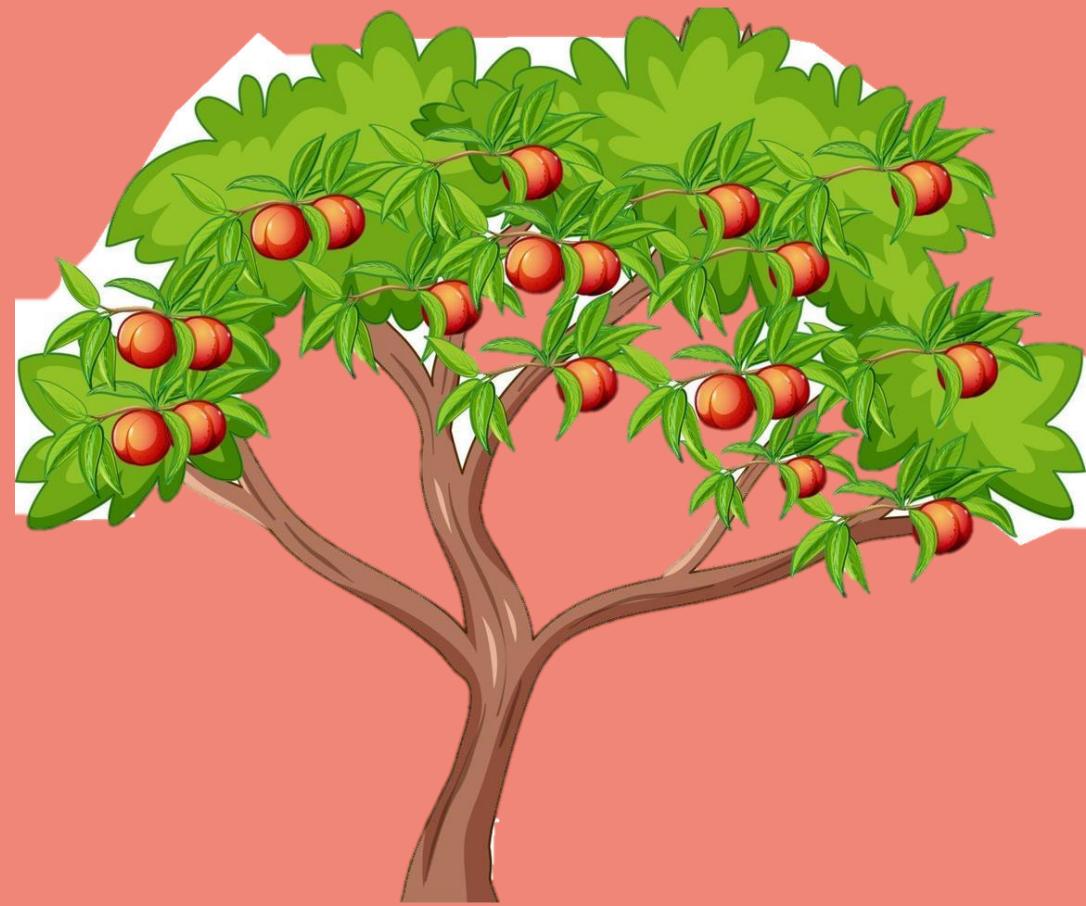
Specific fungicide *bupirimate, cyflufenamid* *fluxapyroxad*

**Powdery mildew****Maximum 2 treatments/year****Preventive effect**

- 1

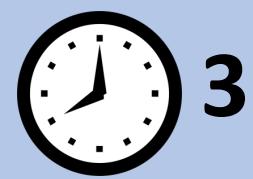
**Curative effect**

- 4

**+ 2****+ 2****+ 2****+ 2****Période : 1 à 5**

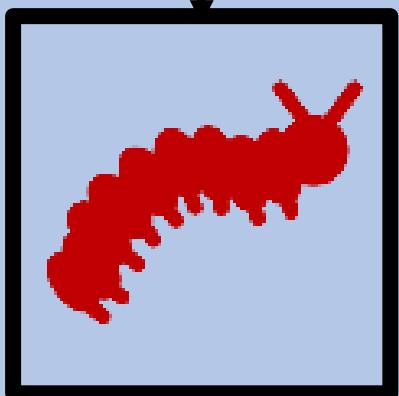


3



3

Ecological management

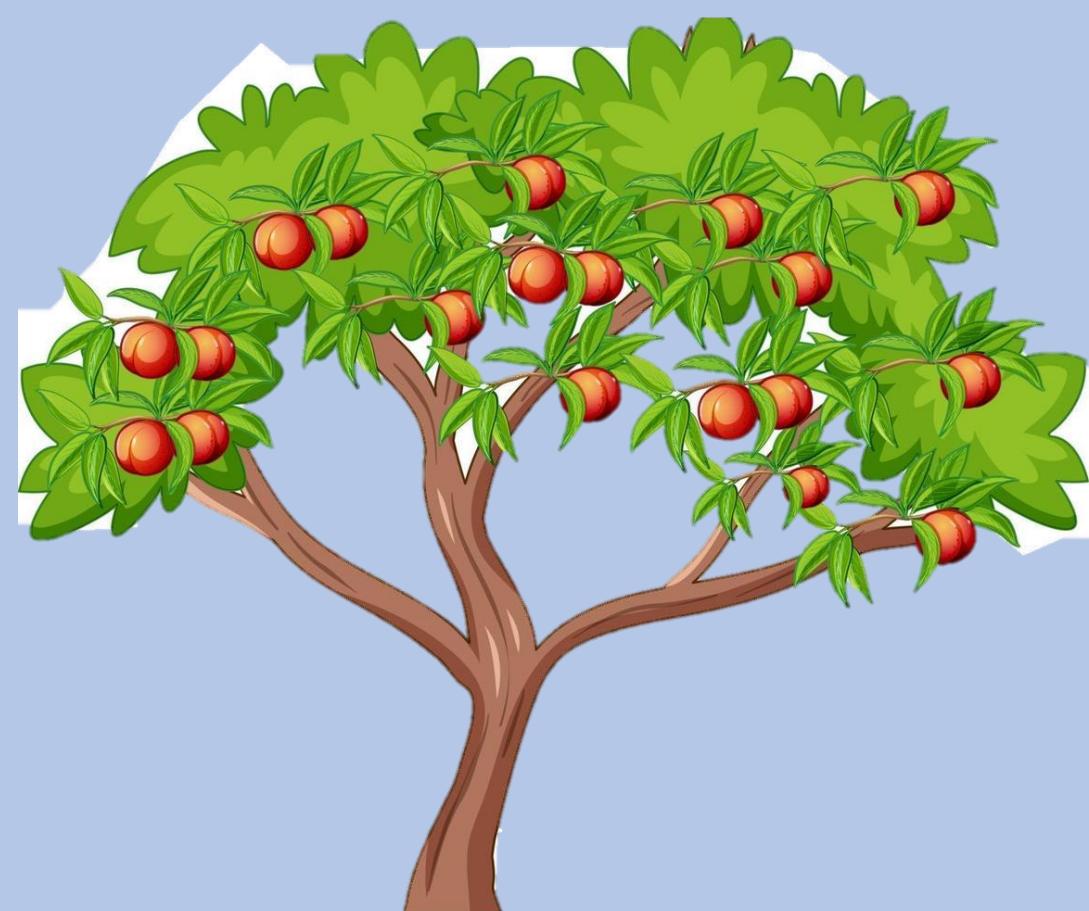
*Aphids**Oriental moth**Mites**Western flower thrips**Preventive effect* - 2*Curative effect* - 1

Tox	Res
0	0

Eco	Ben
-1	-2



Périodes : - 1 - 2





3



5

Green pruning

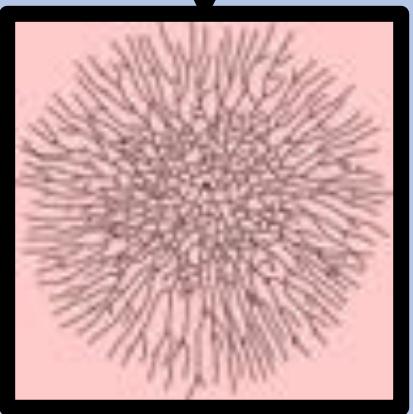
Brown rot



Powdery mildew

Leaf curl

Storage diseases



**Maximum 2 reductions
or pruning / year**

Not 2 periods in a row



Preventive effect -2



Curative effect -1

Tox



0

Res



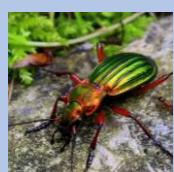
0

Eco



0

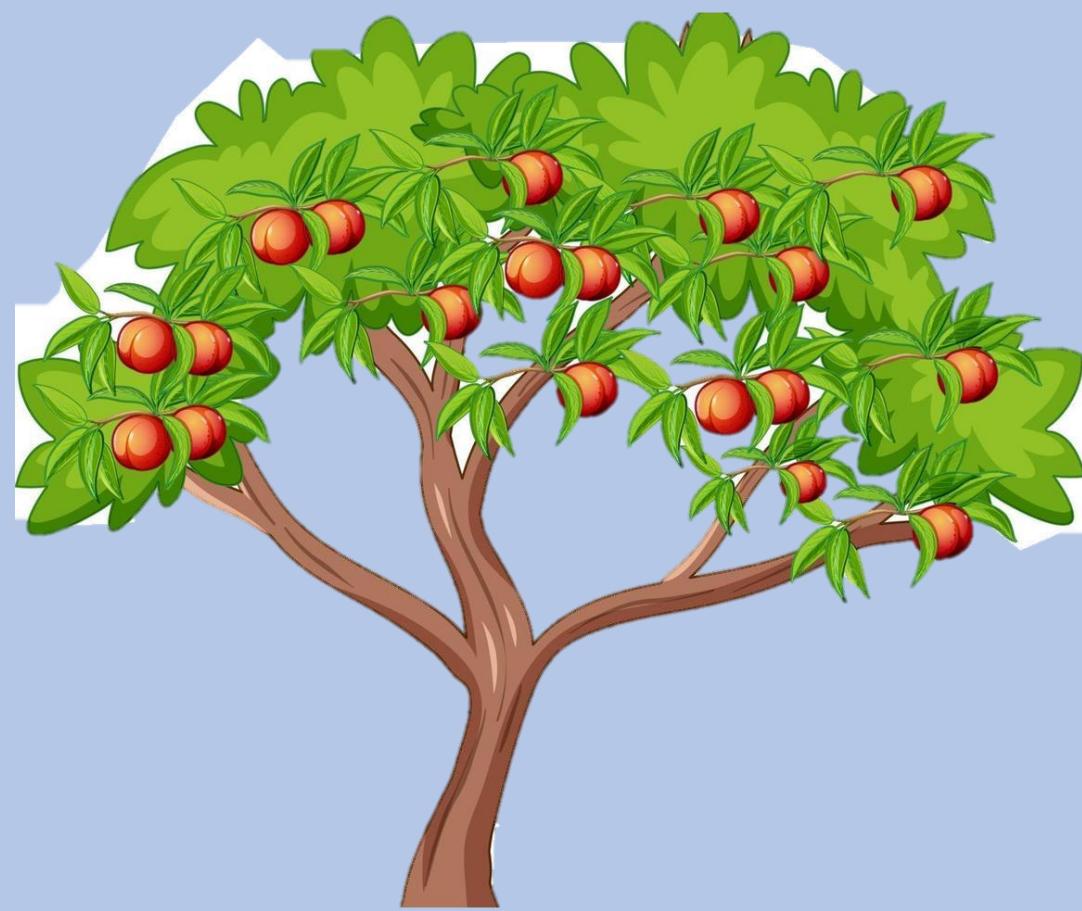
Ben



0



Crop cycle : 3 to 5





2

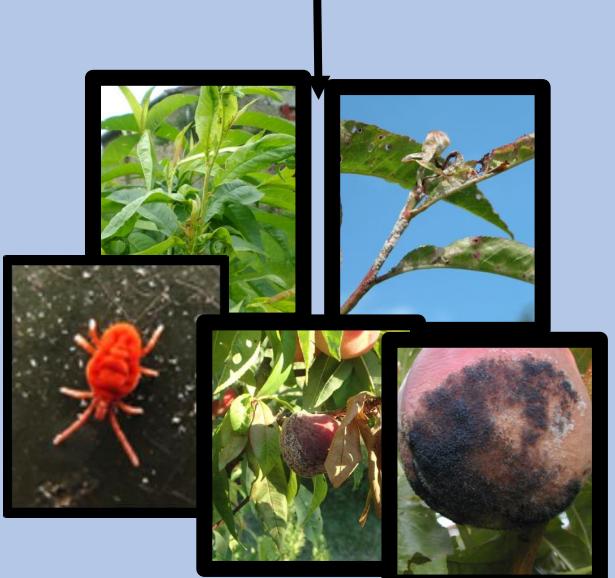


4

Reducing vigour of the tree

**Aphids****Mites****Powdery mildew****Brown rot****Storage diseases**

**Maximum 2 reductions
or pruning / year**
Not 2 periods in a row

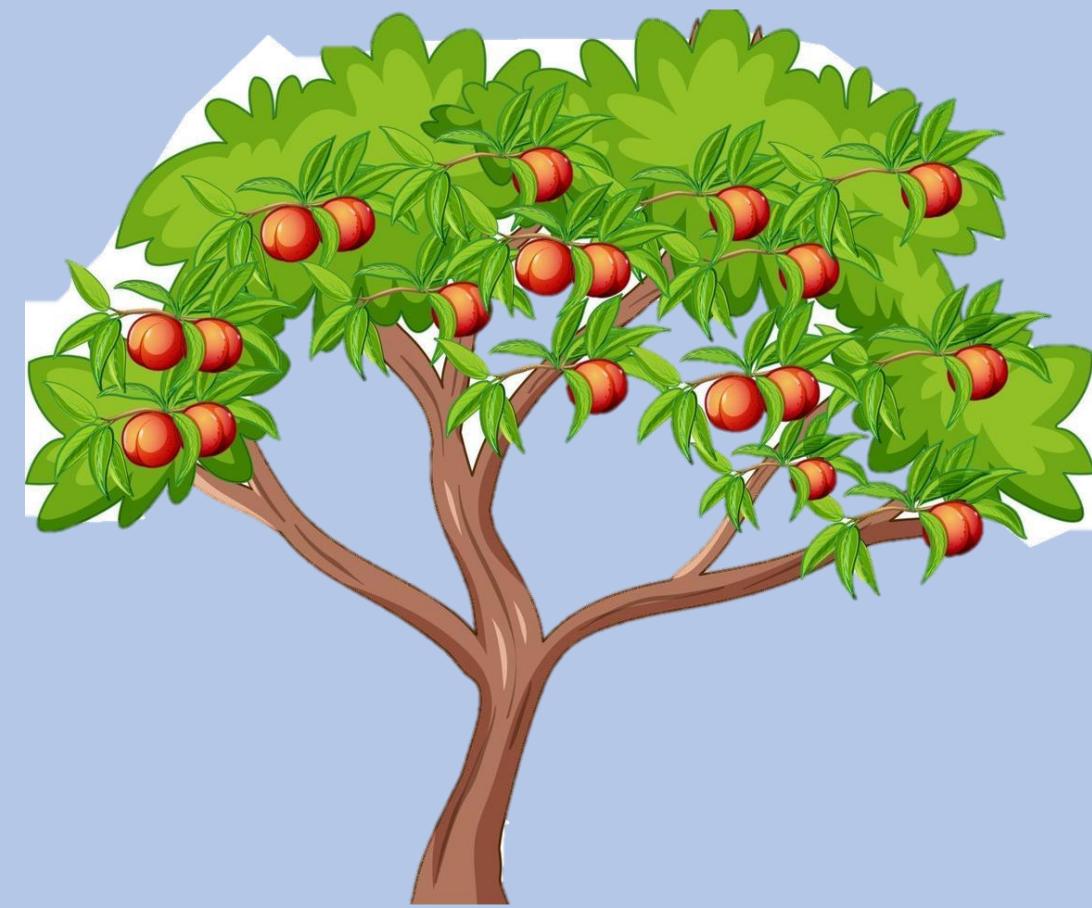
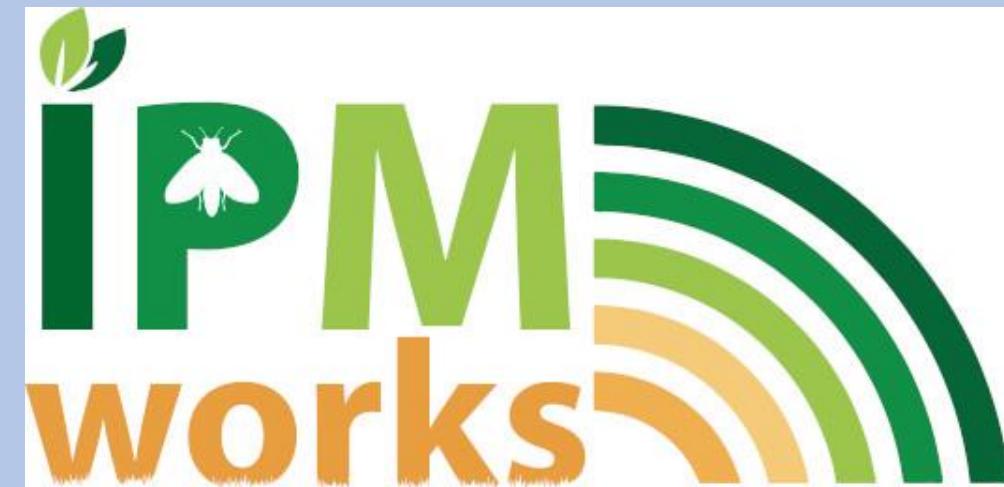
**Preventive effect -2**

Tox	Res
0	0

Eco	Ben
0	0



Crop cycle : 1 to 4





1



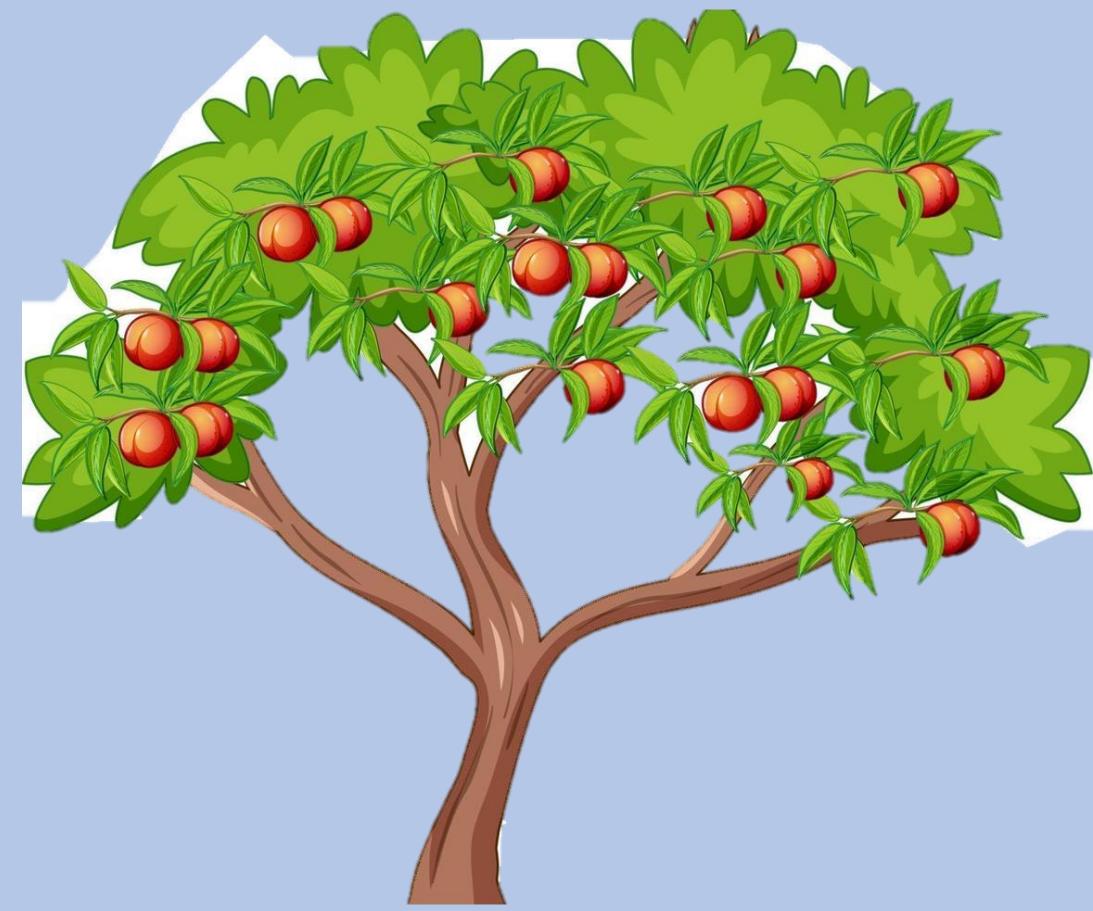
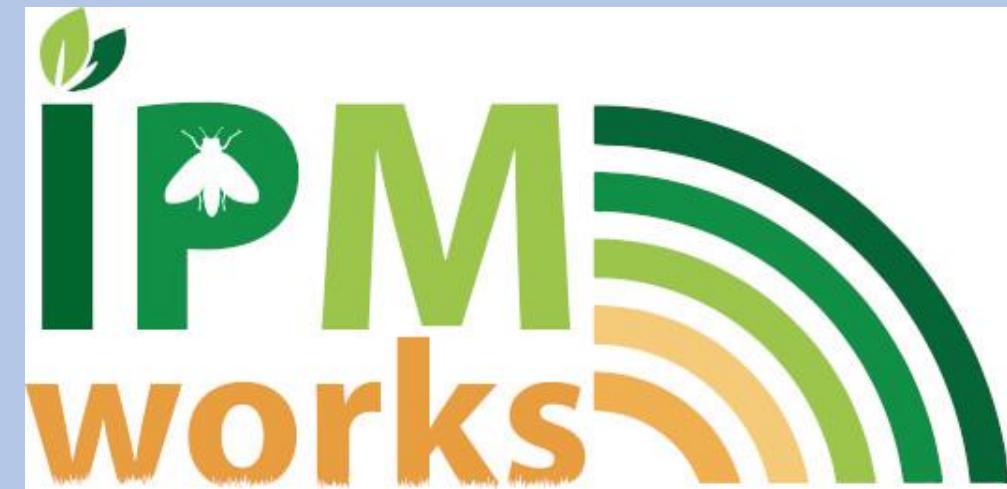
2

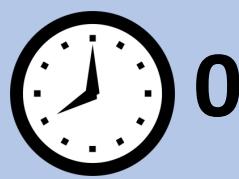
Rock powder *Kaolin*

**Aphids****Preventive effect****-2**

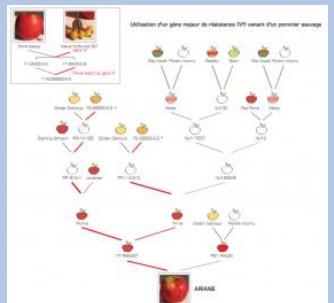
Tox	Res
+1	0

Eco	Ben
0	0

**Crop cycle : 3 - 4**



Resistant variety



*Leaf curl
Brown rot*

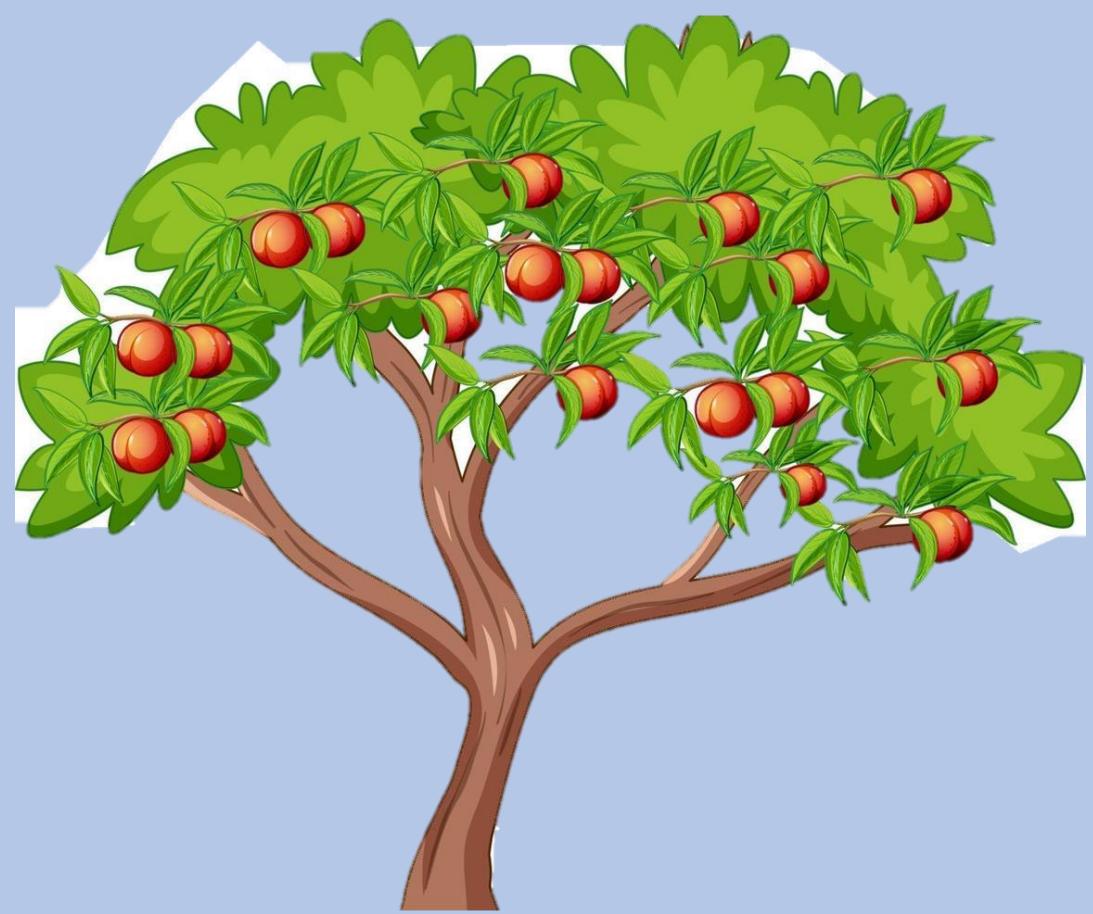


Preventive effect
- At each period – 3
- You have to combine with other solutions twice during the season to keep the efficacy
> if not - 2

Tox	Res	Eco	Ben
0	0	0	0



Crop cycle :





3



4

Anti-rain cover

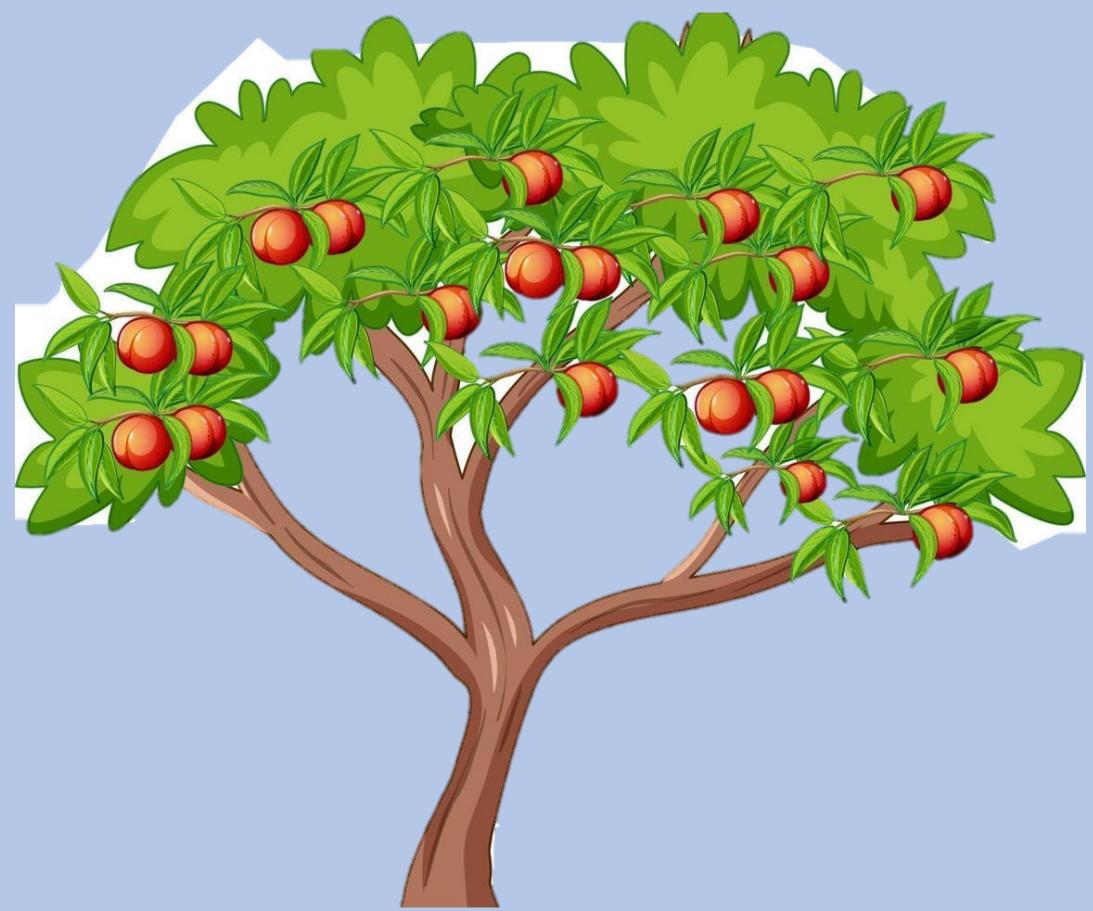
***Brown rot*****Mites +1**
At each period**Preventive effect -2**
At each period

Tox	Res
0	0

Eco	Ben
0	0

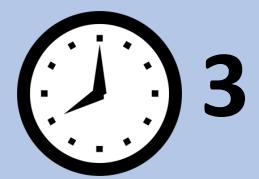


Crop cycle :





2



3

Mummies pick-up



Brown rot



Preventive effect

*Prevents primary
installation*

Tox



0

Res



0

Eco



0

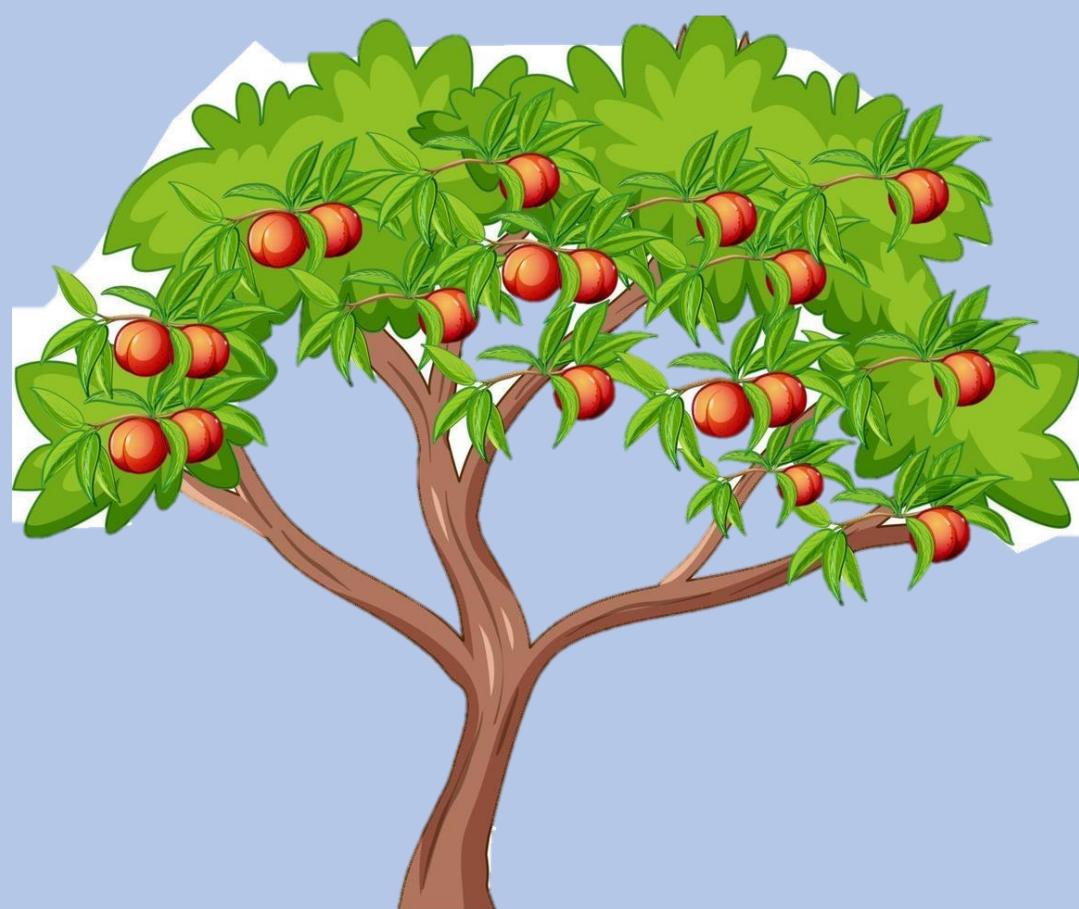
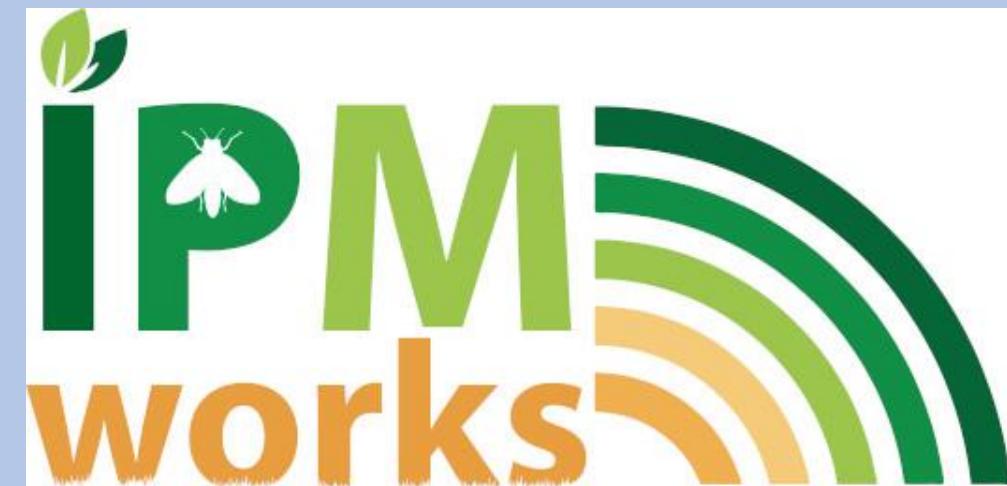
Ben



0



Crop cycle :





3



Eco-grazing



Oriental moth



Preventive effect -2



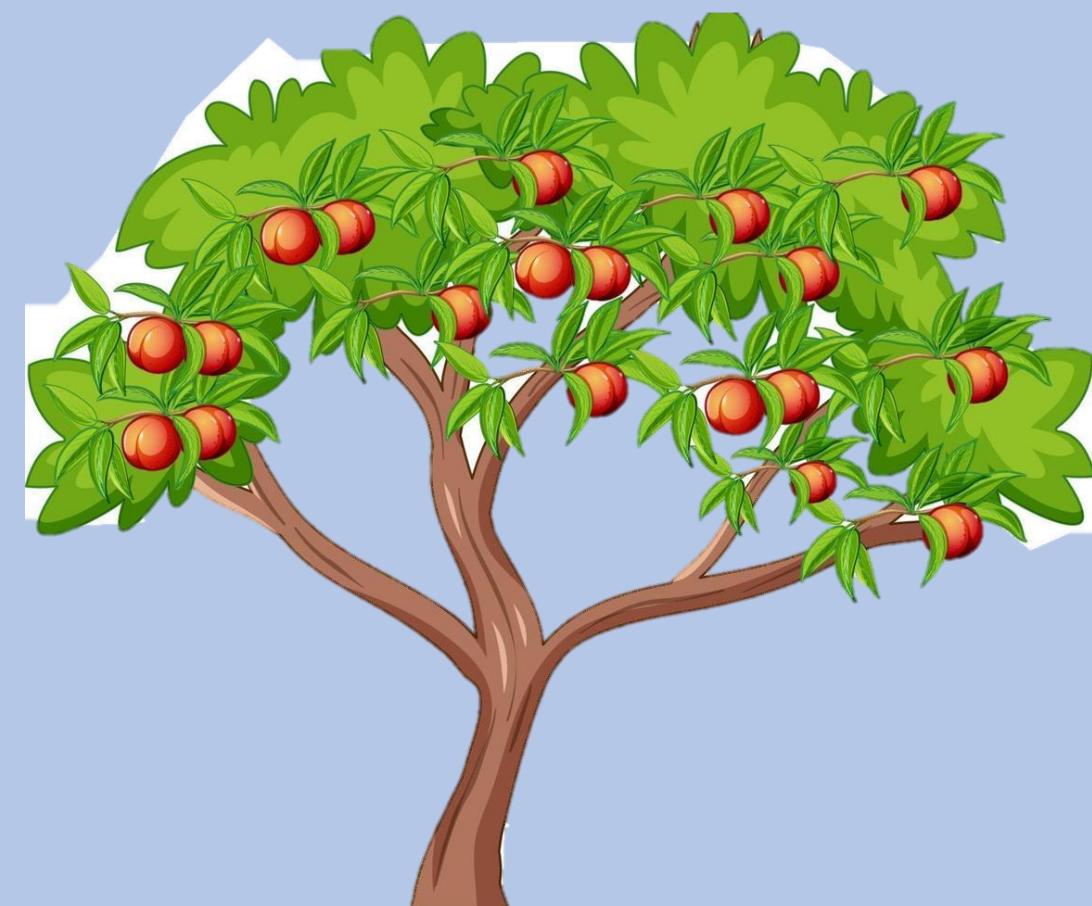
Curative effect -1

Tox	Res
0	0

Eco	Ben
0	0

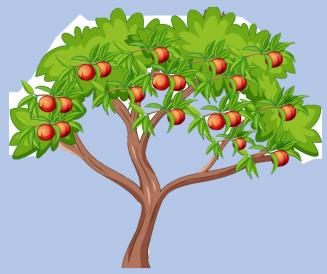


Crop cycle : 1 to 3





3



3

AEI > birds & chiropterans



Oriental moth

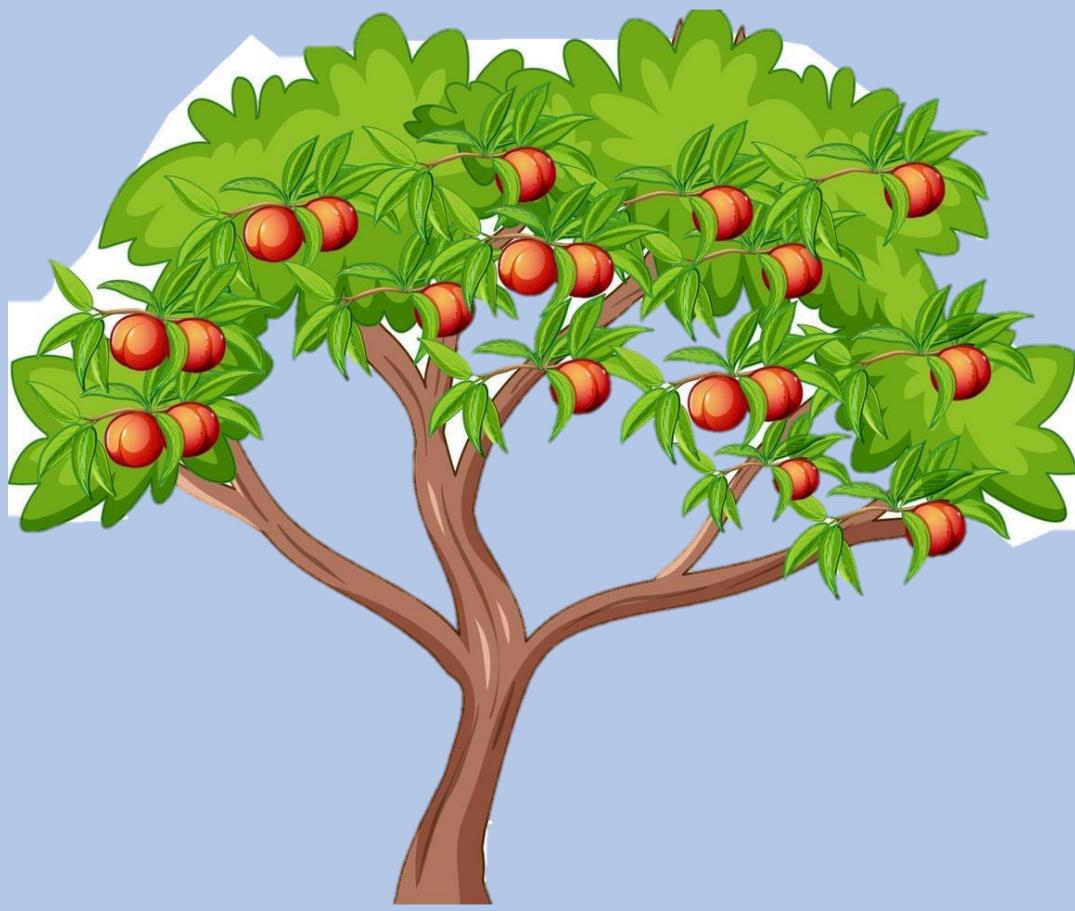
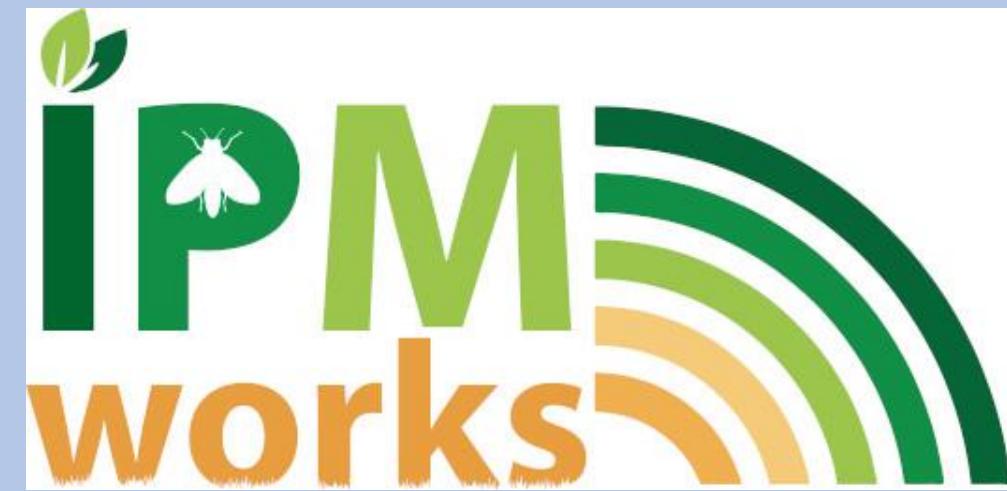


! Preventive effect -2

Tox	Res	Eco	Ben
0	0	-1	-1



Crop cycle :





2



Augmentorium

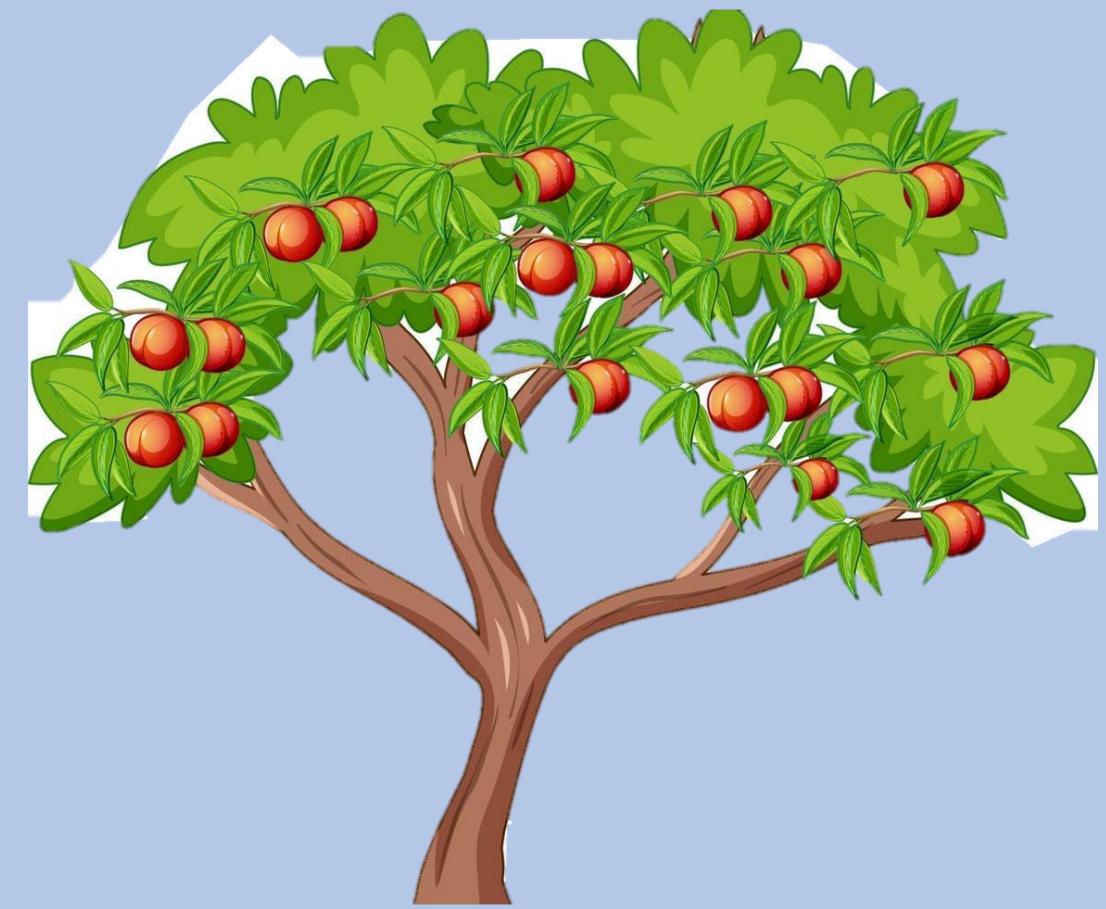
*Oriental moth*

Preventive effect - 1
For 2 periods

Tox	Res	Eco	Ben
0	0	0	-1

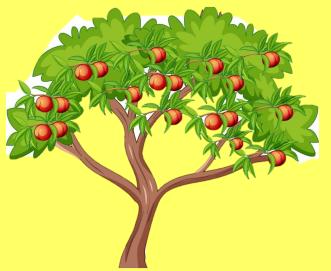


Crop cycle : 1 to 4



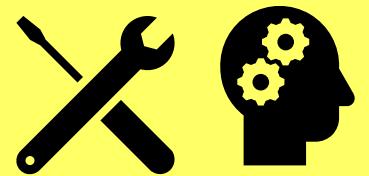


2



1

Decision Support System (DSS)



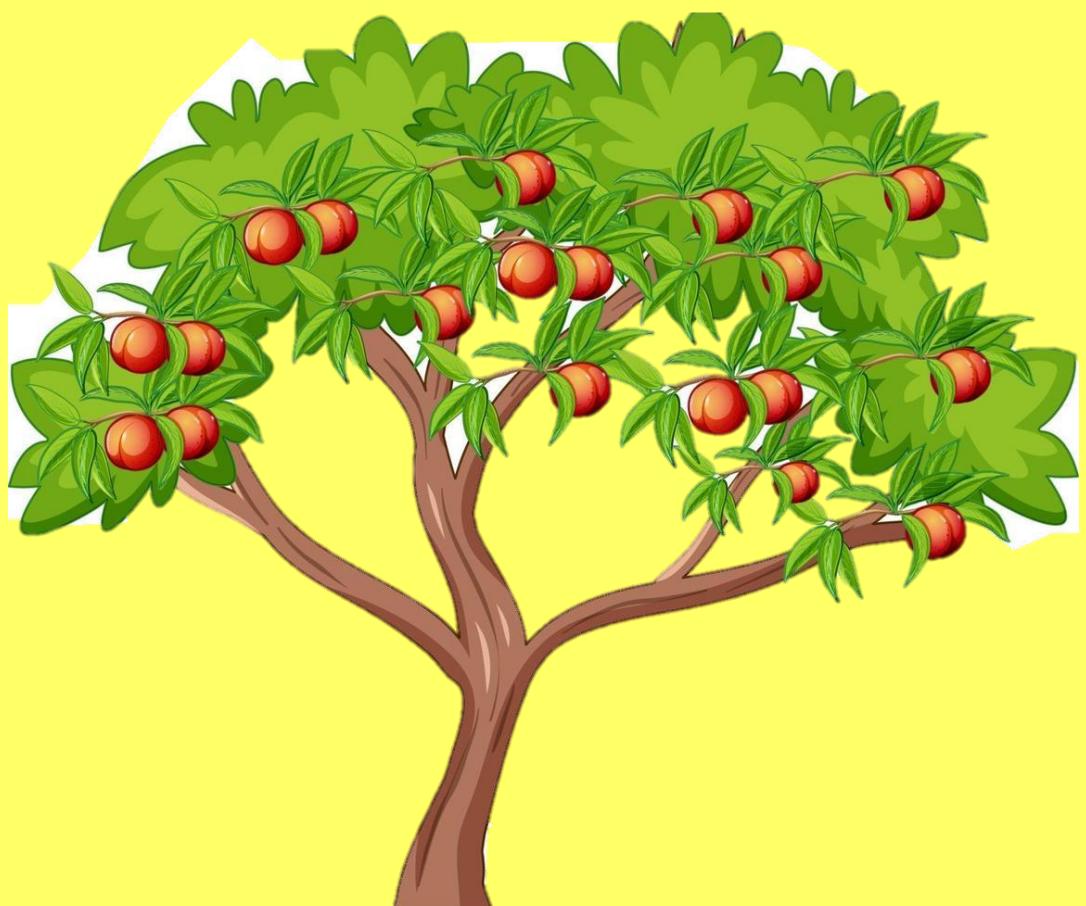
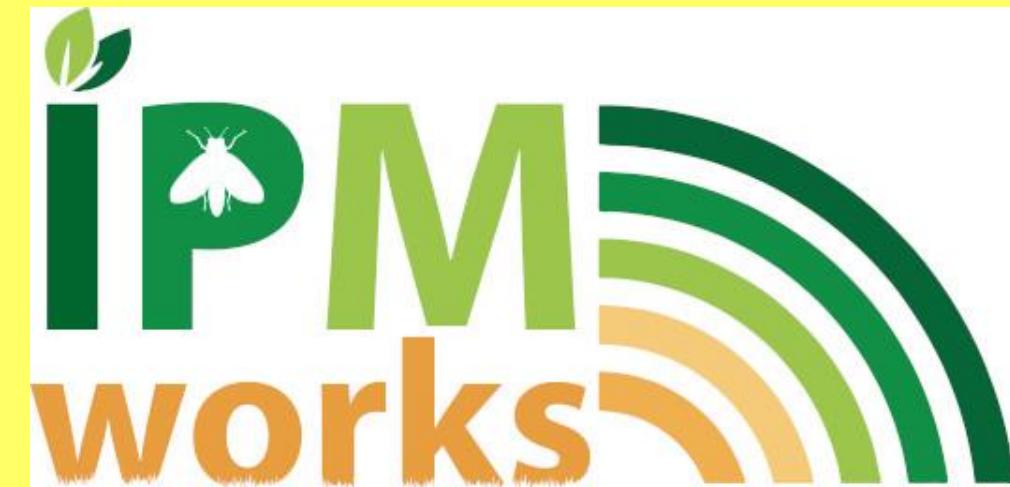
Western
flower thrips



*Give the possibility to play
"Preventive measures"
next turn after drawing
a weather card*

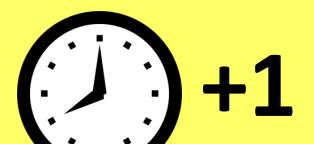
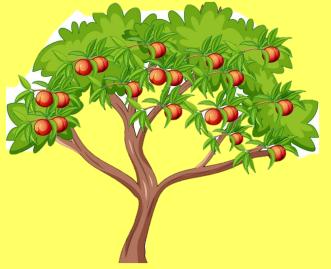


Crop cycle : 1 to 4





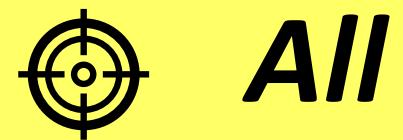
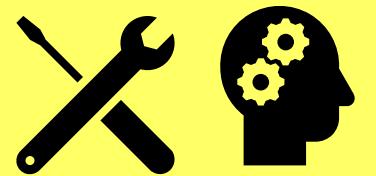
+1



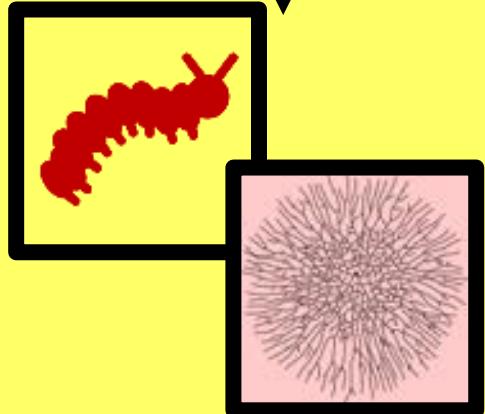
+1

For each pest

Spraying Decision Support System



All



Play with pesticide or biocontrol
product with cumulative effects

Tox	Res

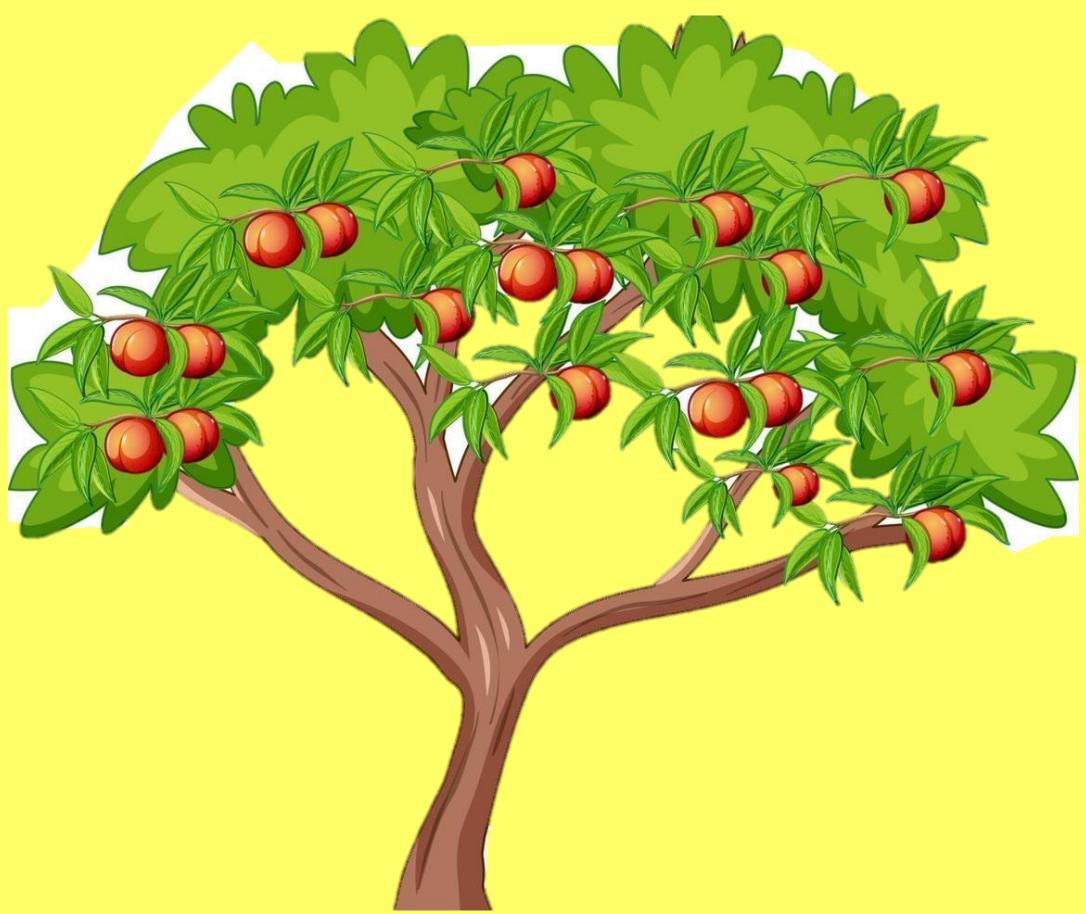
0 -1

Eco	Ben

-1 -1

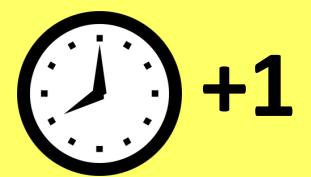


Crop cycle : 1 to 5





+2

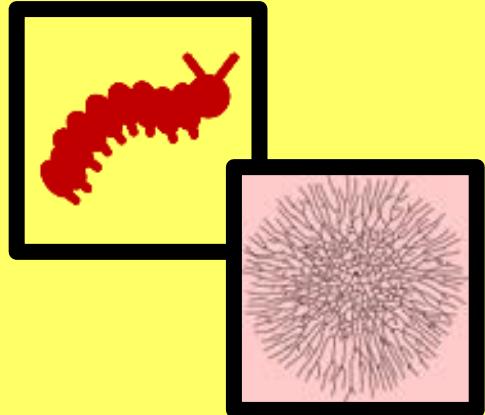


+1

Low drift sprayer



All



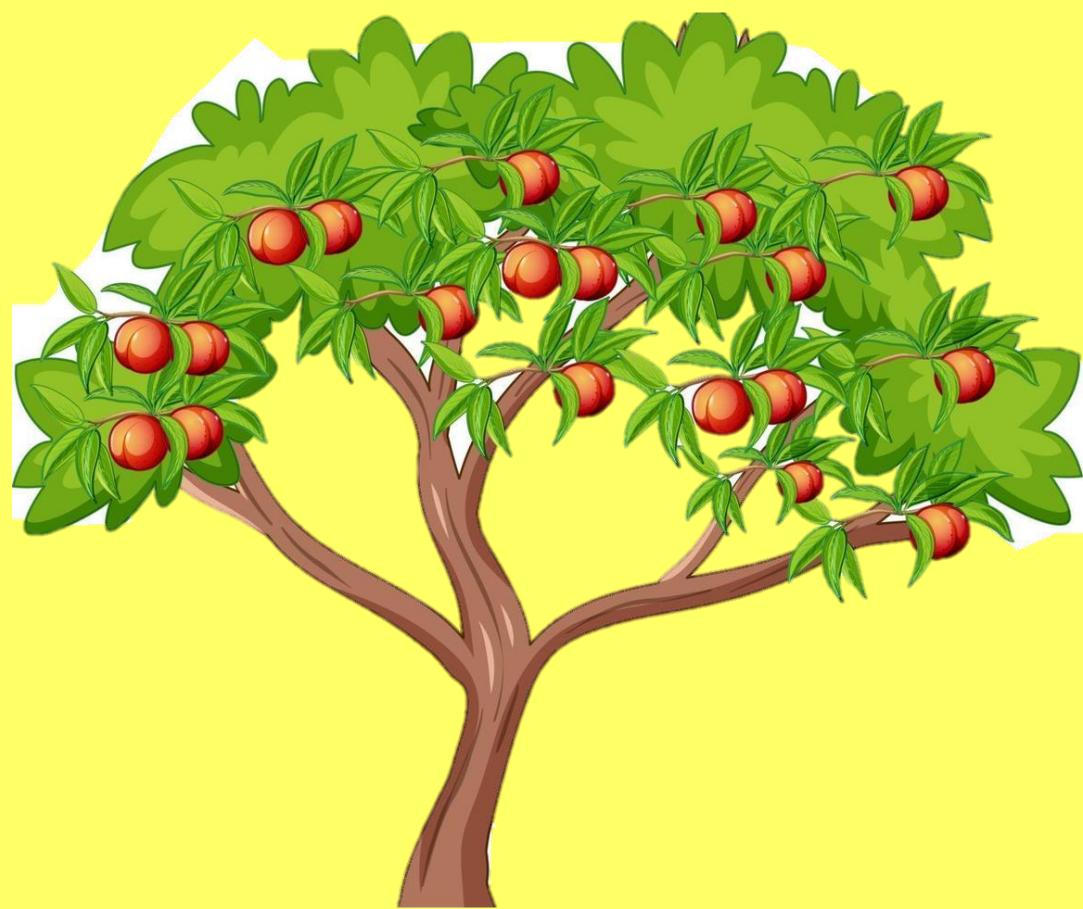
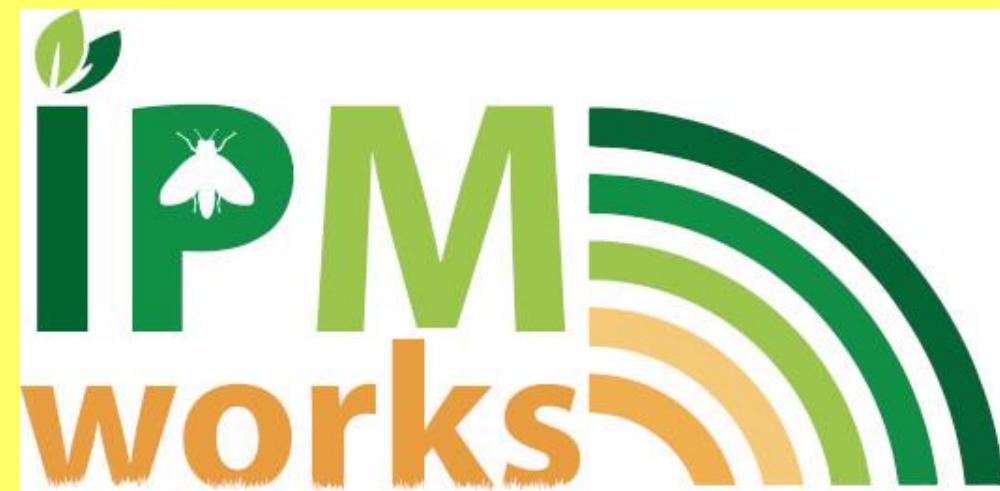
Play with pesticide or biocontrol product with cumulative effects.

Tox	Res
-1	0

Eco	Ben
-1	-1

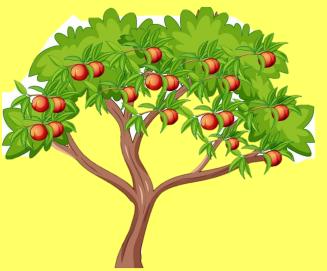


Crop cycle : 1 to 5



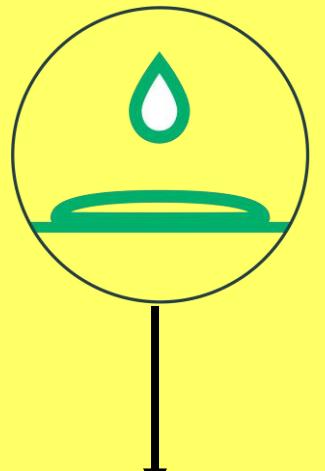


+1

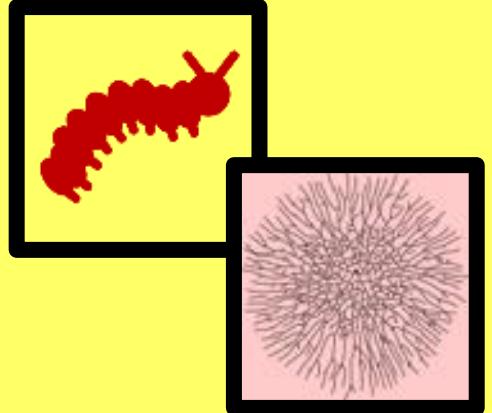


0

Adjuvant



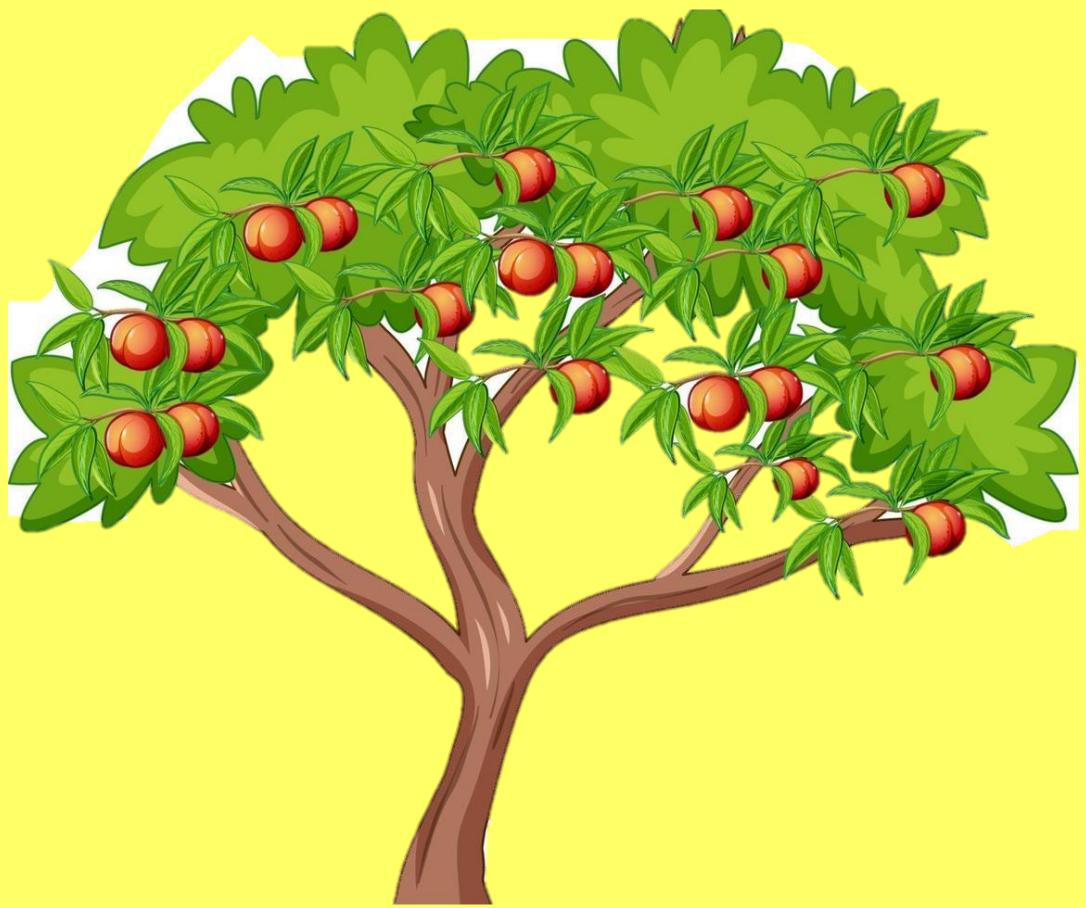
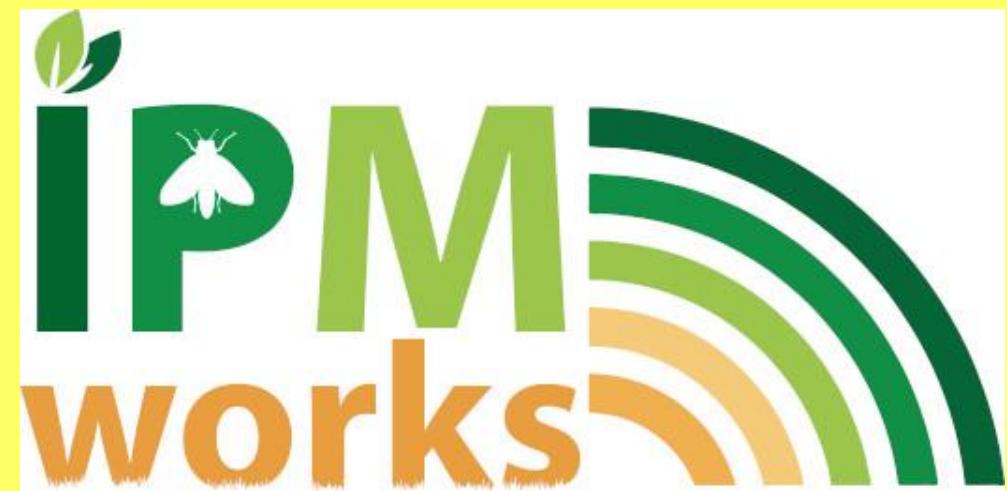
All



*Play with biocontrol product to
be applicable by dry weather*

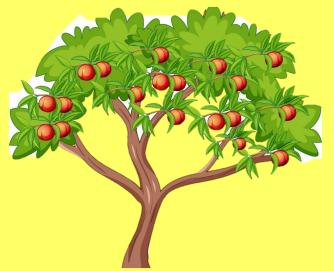


Crop cycle : 1 to 5





+2



0 / 1

Alone

Biostimulant



All



Preventative effect



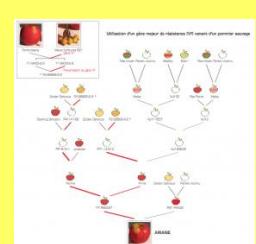
Alone if risk ≤ 0 or
pressure = 0

-1



Can increase the
efficiency of
microorganisms or
natural substances

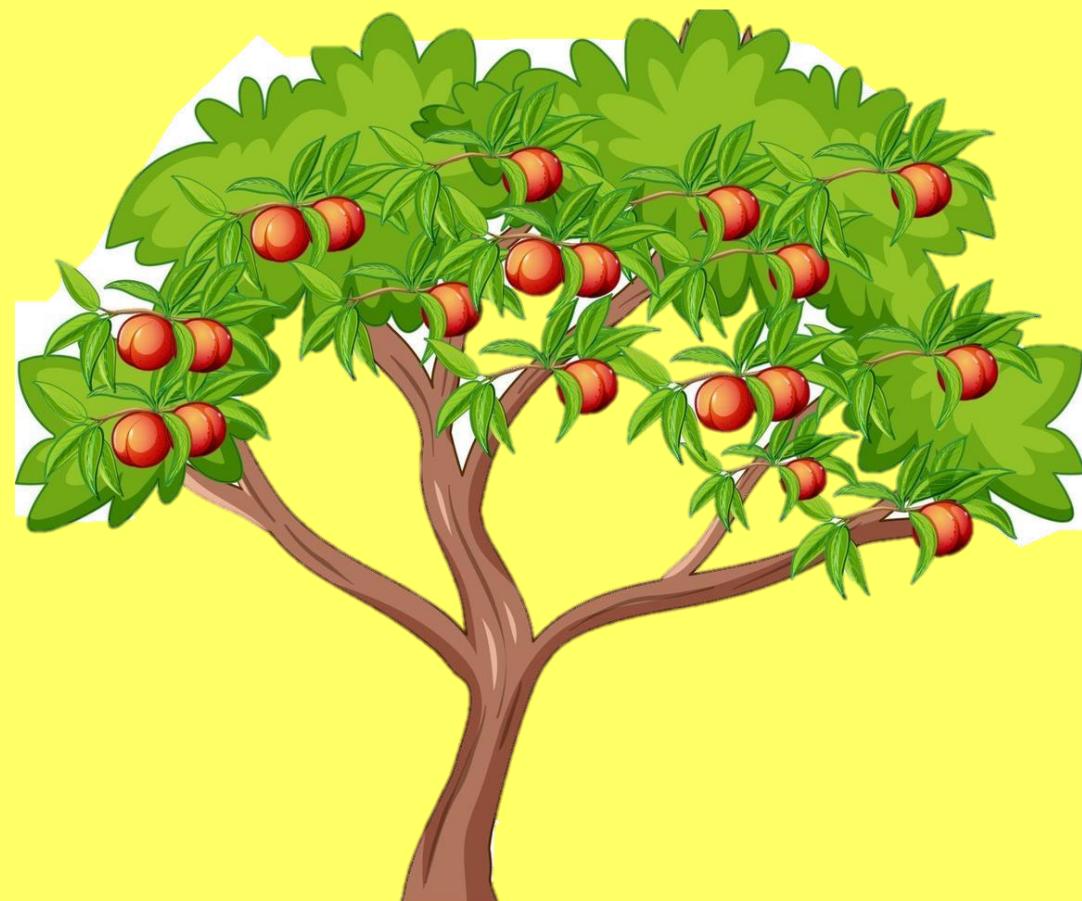
-1



maintains
the durability
of the variety
resistance
over time
1 solution



Crop cycle : 1 to 4





2



FWF ***(Farm Work Firm)***

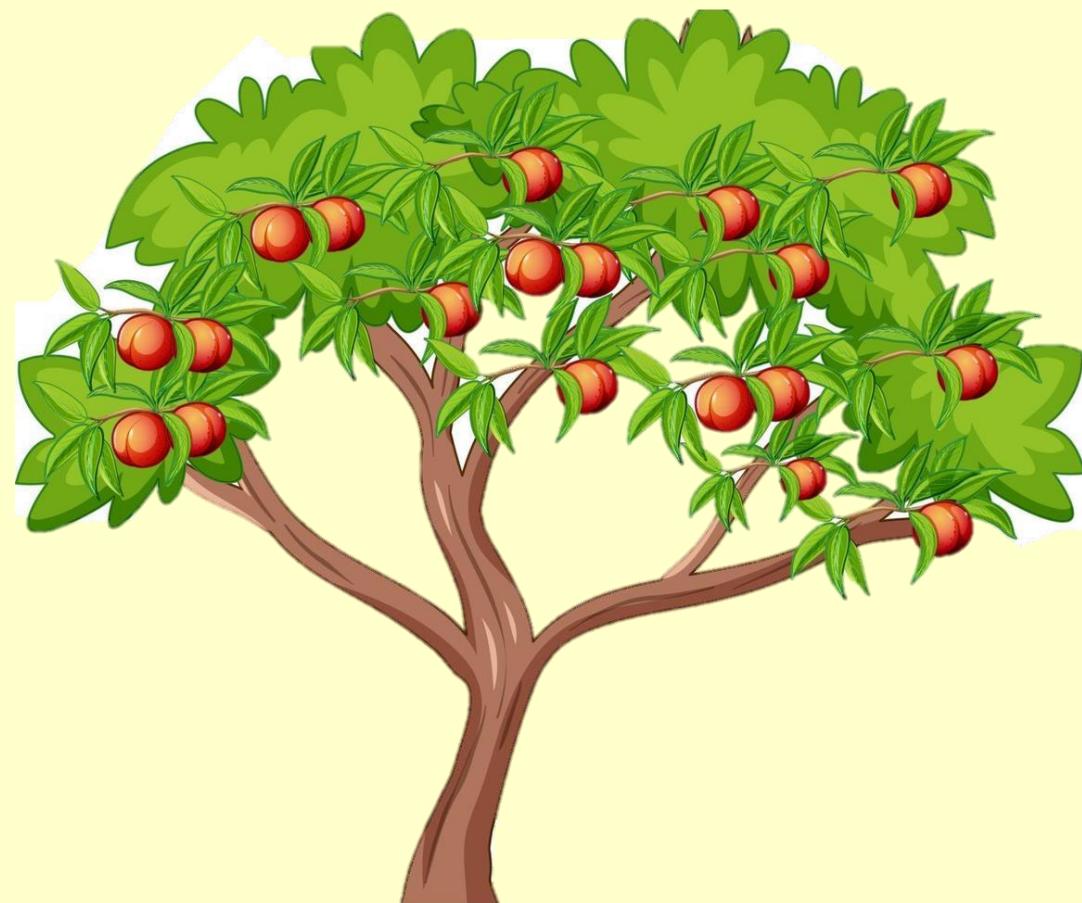


+1

*The additional unit of time
must be spent during the period*



Crop cycle : 1 to 5





0



Associated treatments

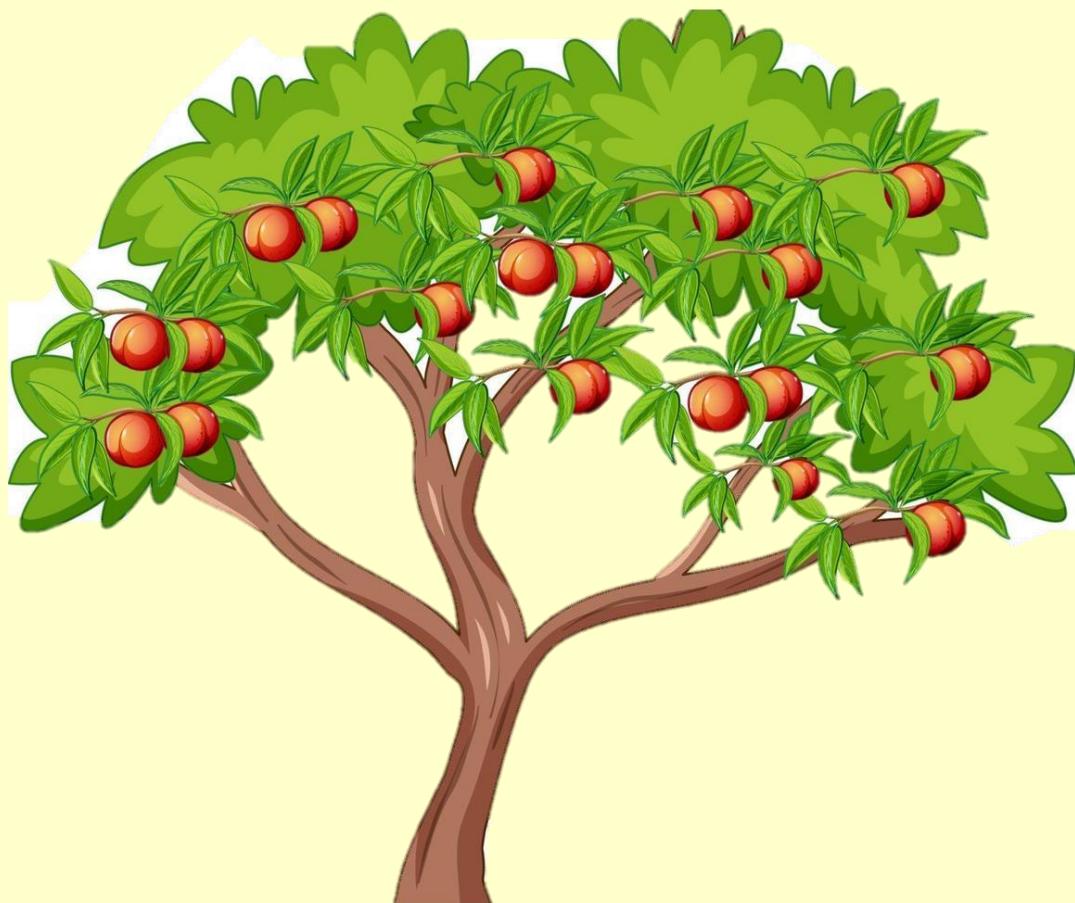


+1

You win 1 time unit when you spray with 2 biocontrol

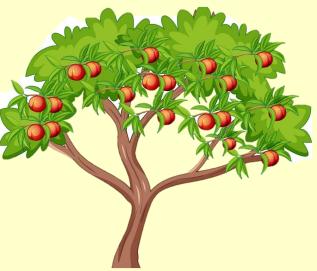


Crop cycle : 1 to 5





0



Biocontrol product + 1/2 dose of copper



*Leaf curl
Brown rot*



Preventive effect

+1 Copper efficacy is low

**+1**

*You win 1 time unit when you
spray this associations*

And you reduce impact of copper

Tox



-1

Res



-1

Eco



-1

Ben



-1



Periods : 1 to 5

