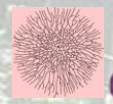
# GRAPEVINE

Vine Leafhopper


Powdery mildew

Mites

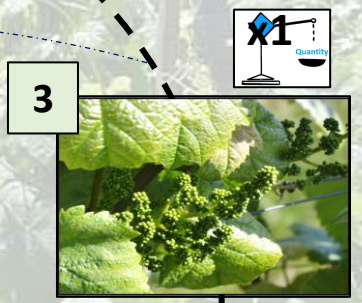
V

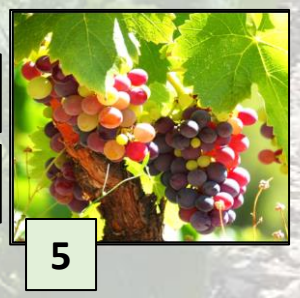
Downy mildew

Berry moth

Gray mould

Black-rot





*Weather card*

3b. Side effects of vine pests on gray mold [advanced version]

≥ 4 +1

4. Implementing a preventive method if you play a DSS previous turn [advanced version]

7. Regulation effect of beneficials [advanced version]

1. Change the period & Prepare the decks of cards'

2. Update the Residue and Beneficials indicators

3. Draw a weather card and update the pests and diseases scales

5. Deduct the preventive effect of the methods chosen in the previous period

6. Choose one or more methods and modify the scales of impact indicators

8. Deduct the curative effect of the methods chosen

9. Calculate losses in terms of quantity (from period 2) and quality (from period 4)

EUCLID Europe China Lever for IPM Demonstration

IPM works

# IPM GAME

IPM

## Climate zone

# IPM Manager Board

IPM GAME

## Toxicity

0 1 2 3 4 5 6 7 8 9 10

## Ecotoxicity

0 1 2 3 4 5 6 7 8 9 10

## Residues

0 1 2 3 4 5 6 7 8 9 10

QUALITY

## Beneficials

Regrowth

0 1 2 3 4 5 6 7 8 9 10

Pest control

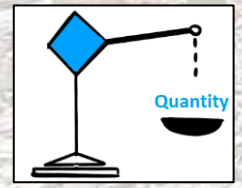
## Time management

FWF card

## Money management

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

4 3 2




20 18 16 14 12 10 8 6 4 2

5

20 18 16 14 12 10 8 6 4 2

# IPM Manager Board

## (simplified version)

IPM GAME

### Impact

0 1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20

### Socio-economic management

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

4 3 2

### Production

5

20 18 16 14 12 10 8 6 4 2