

Fruit Trial : Papaya

Location: Nakornprathom, Thailand

Variety: Papaya

Trial duration: Middle of fruiting stage

Application Process: Totally 3 applications, 1 soil drench + 2 foilar sprays

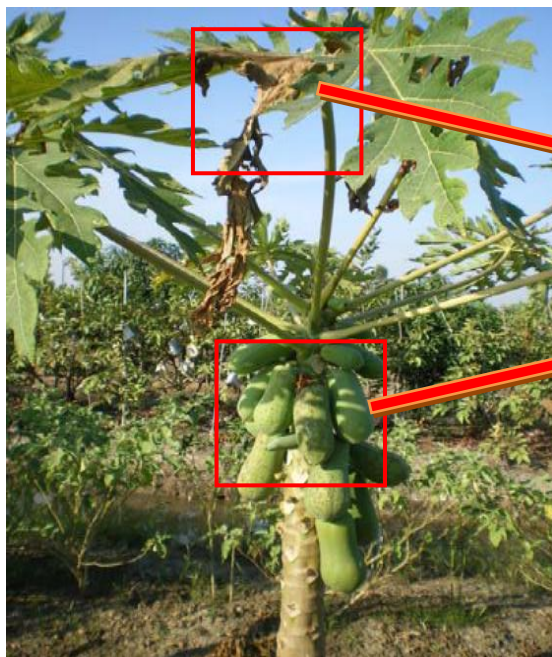
Dilution ratio: 1 (NTG-AV) to 500 (Water)

Trial objectives:

1. To save papaya trees and see whether NTG-AV can recover the infection of Papaya Ring Spot Virus (PRSV)
2. To establish the appropriate rates, timing and frequencies of NTG-AV applications



Results:



The leaves are blighted with black spot on the fruits



Before NTG -AV

- 1) Papaya ring spot virus (PRSV) destroys the shoot, leaves and fruit. Growth inhibited.
- 2) The leaves are blighted.
- 3) Black spot shown on the fruits.
- 4) With onset of PRSV, growth of the shoot, leaves and flowers will be stunted. Trees will eventually die off.

New healthy shoot and leaves with no black spots on the fruit.



After 2 foliar sprays and 1 soil drenching

- 1) Produce new shoots and leaves (with PRSV no new leaves can be produced and the shoot will dry and die off).
- 2) The new shoots and leaves have healthily grown without any PRSV infection.
- 3) No black spots on the fruit.
- 4) No blighted leaves.

Conclusion:

NTG-AV has effectively cured Papaya from infection of Papaya Ring Spot Virus (PRSV). New shoots and leaves have grown healthily. Black spots on fruit have disappeared after the third application of NTG-AV.

Remarks: NTG-AV is applied as follows

- 1st week – Foilar spray with the dilution ratio of 1:500,
- 2nd week – Soil Drench with the dilution ratio of 1:500,
- 3rd week – Foilar spray with the dilution ratio of 1:500,