



Bio-control of Pests of Grapes by Neemazal

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CONTENT

- Company profile

- Products profile

- Neemazal for safe Grapes

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EID Parry – The Journey



A historical black and white photograph of a large industrial building complex, likely the Parry's factory. A large, curved, grey arrow-shaped graphic overlays the image, pointing from the bottom left towards the top right. Inside this arrow, several milestones are listed in colored boxes:

- Established in 1788
- Pioneer in Sugar from 1842
- Pioneer in Fertilizers from 1906
- Pioneer in Bio-pesticides from 1995
- World's largest manufacturer of Azadirachtin

Murugappa Group



**Established
in 1900**

29 Business

**Manpower
32000**

**Group
turnover
US\$ 4.4 Bn**

Neemazal- Product Profile



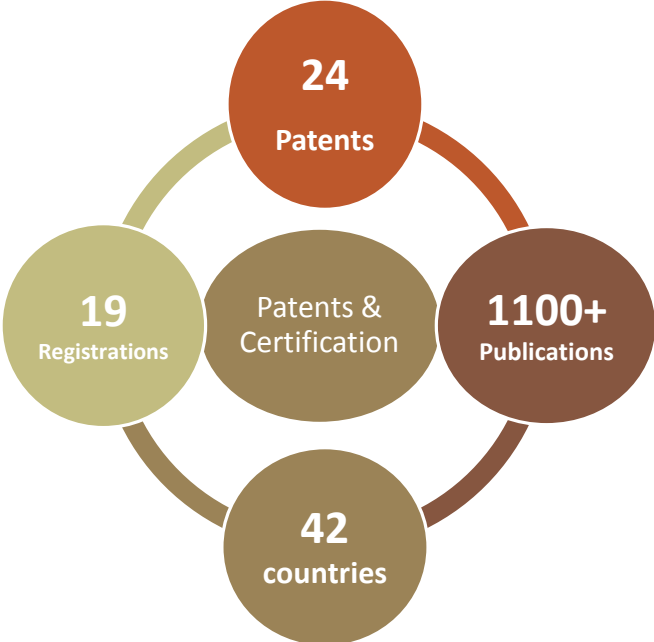
Technical collaboration with M/S Trifolio, GmbH, Germany



Neemazal T/S
10,000 ppm



Neemazal F
50,000 ppm

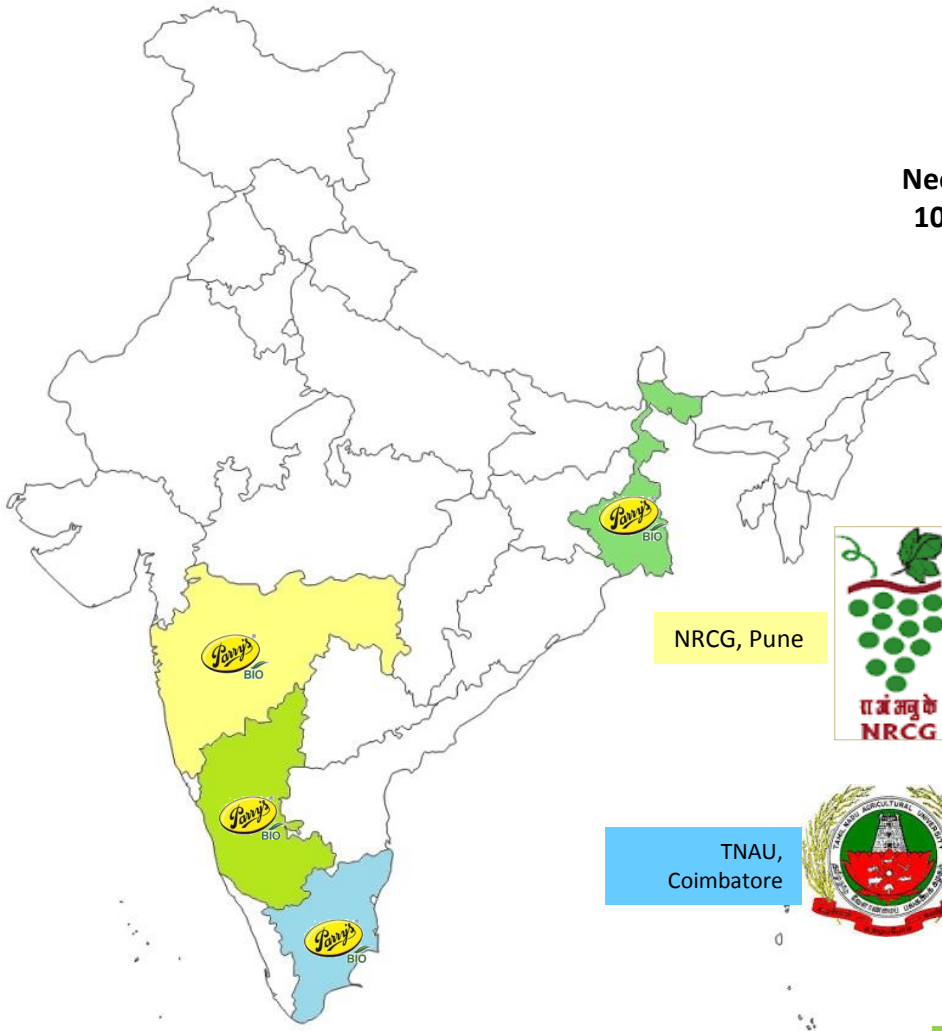


Accreditations



Neemazal – Multi location Trial on Grapes

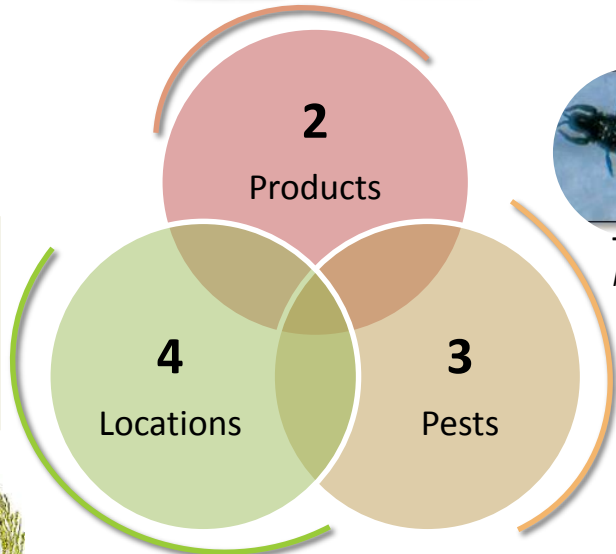
Pests & Locations



Neemazal T/S
10,000 ppm



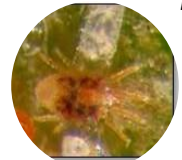
Neemazal F
50,000 ppm



Thrips
Rhipiphorothrips cruentatus



Mealybugs
Maconellicoccus hirsutus



Mites
Tetranychus urticae



NRCG, Pune



TNAU, Coimbatore



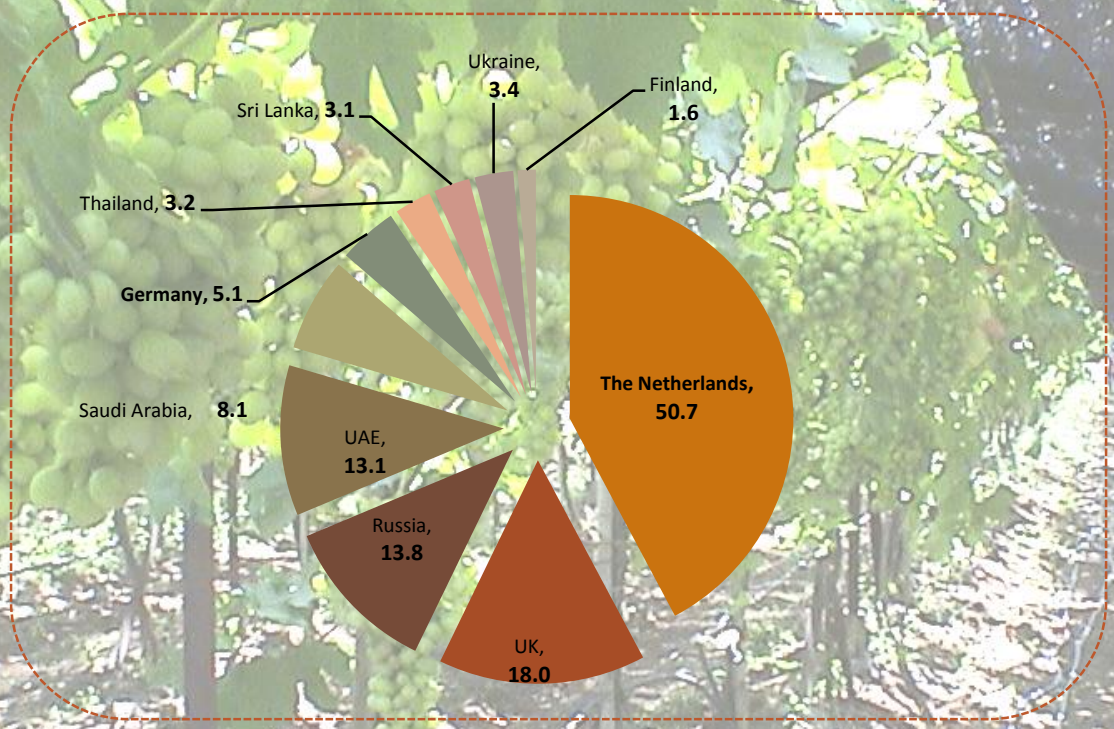
UAS, Dharwad



UBKV, West Bengal

Neemazal for control of pests of Grapes

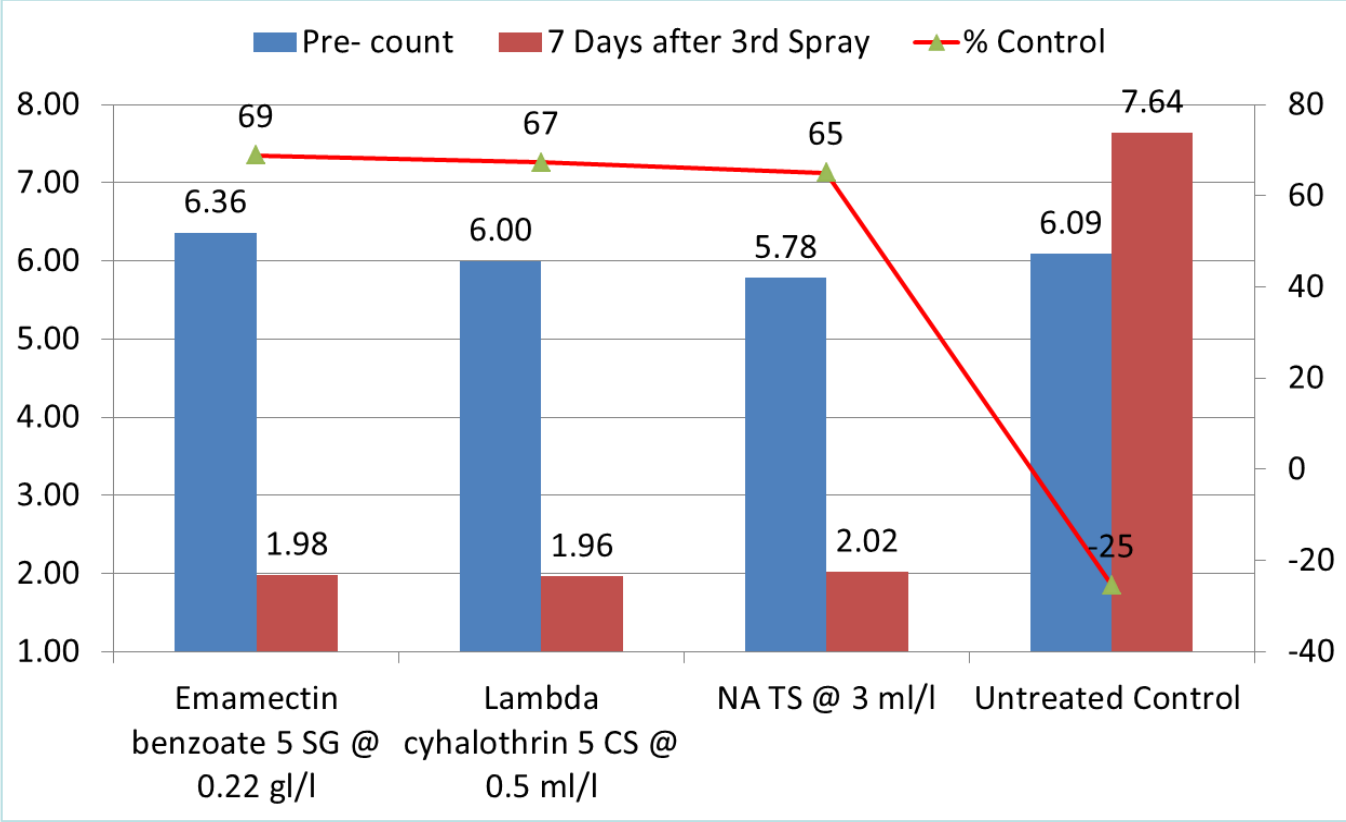
Top 10 Export destinations of Indian Grapes ('000 MT)



Ranks 9th in global grapes production

Ranks 8th in global export quantity

Neemazal T/S against Thrips (*Rhipiphorothrips cruentatus*)

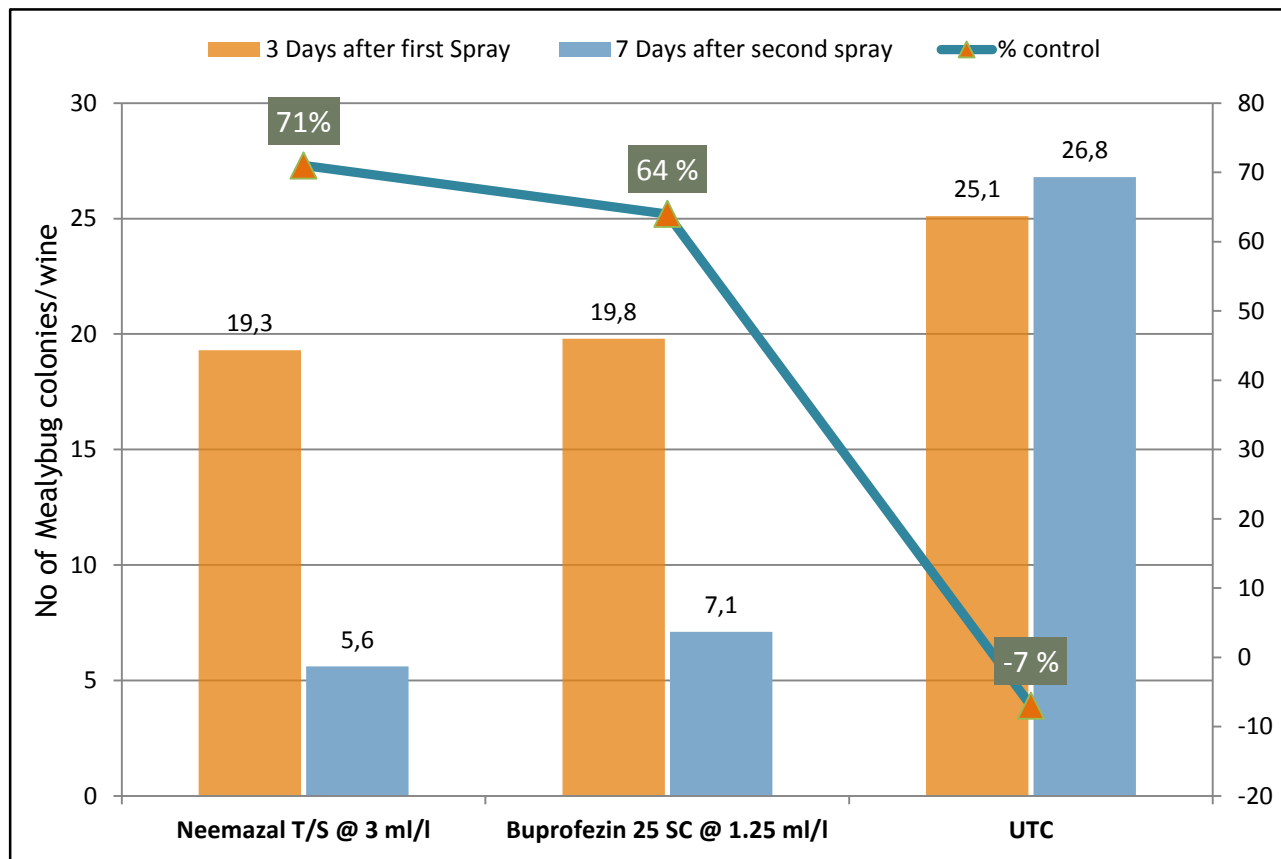


Trial location : NRCG - Pune
Year: 2012-13
No. of applications : 3
Dose 3ml/lit

Source:
 • Report On Bio-efficacy of Neemazal on Thrips, Mealybugs, Mites In Grapes (NRCG)

Neemazal T/S against Mealybugs (*Maconellicoccus hirsutus*)

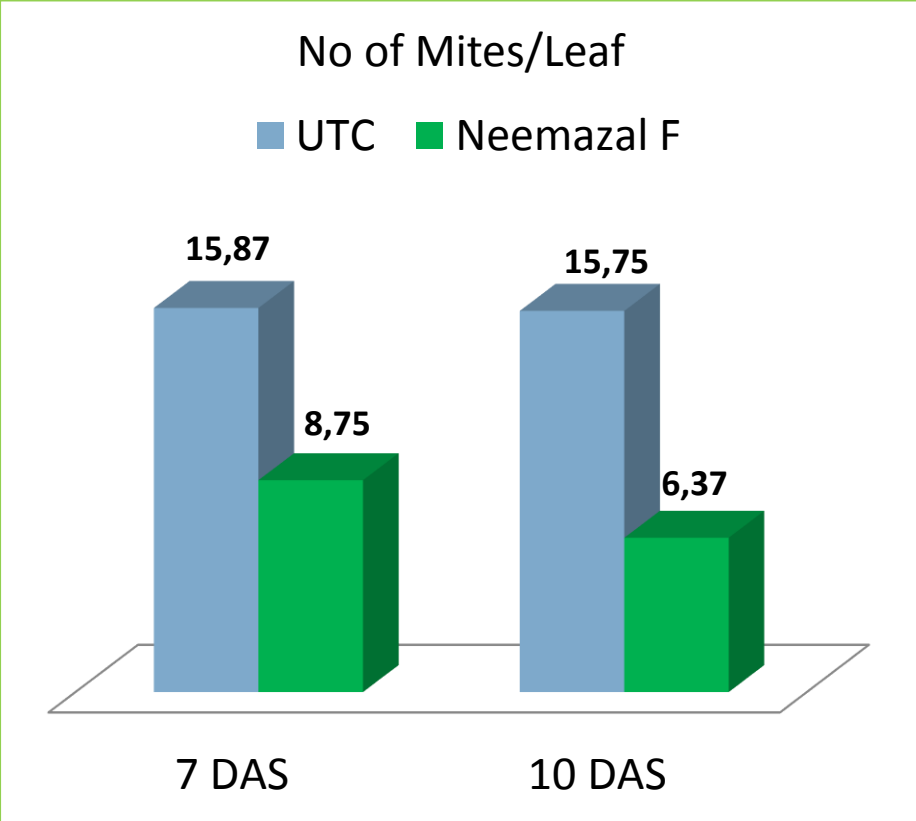
Trial location : NRCG, Pune
Year: 2012-13
Product: Neemazal T/S
No. of applications : 2,
Dose 3ml/lit



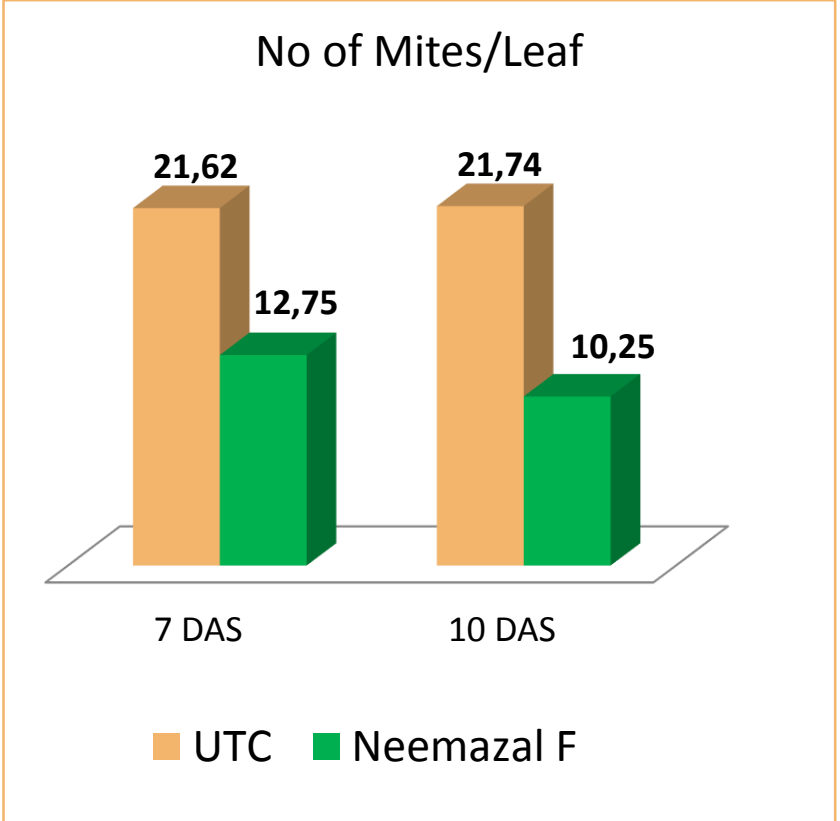
Source:

- Report On Bio-efficacy and residue studies of Neemazal on Thrips, Mealybugs, Mites In Grapes (NRCG)

Neemazal F against Mites (*Tetranychus urticae*)



Trial location : TNAU, Year: 2012-13 ,
No. of applications : 3, Dose 1250ml/Ha



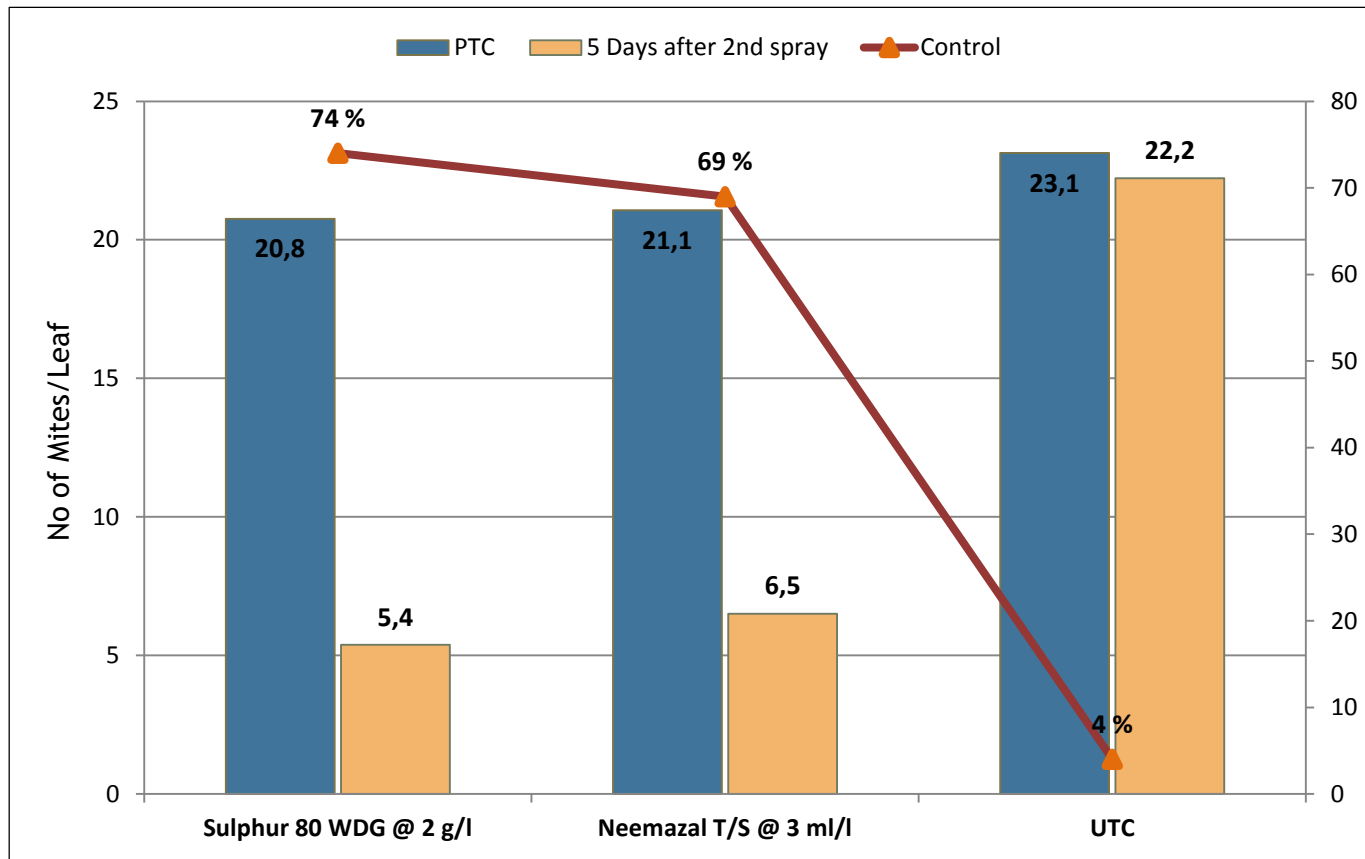
Trial location : UAS, Dharwad, Year: 2014-15,
No. of applications : 2, Dose 1250ml/Ha

Source:

- Evaluation of Bio-efficacy of Neemazal T/S 1 % EC and Neemazal F 5% EC against Pests of Grapes (TNAU)
- Report on Bio-efficacy of Neemazal F 5% against Thrips, Mites and Mealybug in Grapes (UAS- Dharwad)

*Data represents mean of 3 replications

Neemazal T/S against Mites (*Tetranychus urticae*)



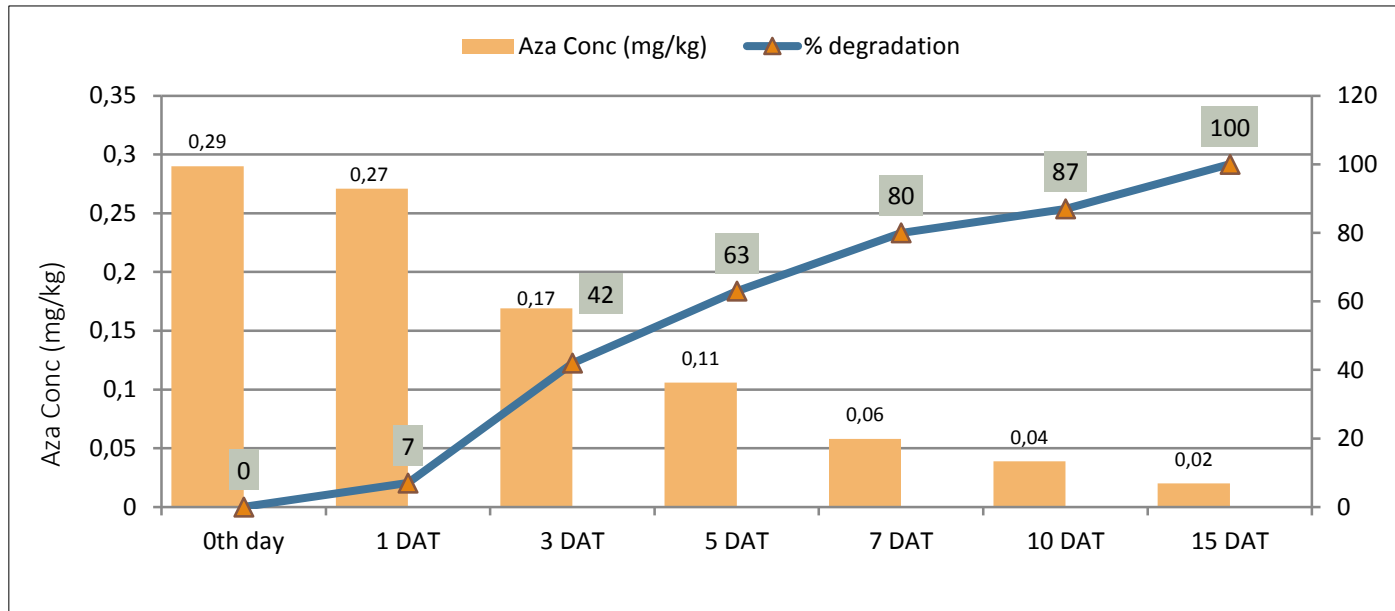
Trial location : NRCG, Pune ; **Year:** 2012-13 ; **No. of applications:** 2; **Dose** 3ml/lit

Source:

- Report On Bio-efficacy and residue studies of Neemazal on Thrips, Mealybugs, Mites In Grapes (NRCG)

Neemazal Residue studies

Residue studies of Neemazal T/S (10,000 ppm)



Result and conclusion*:

The residue dissipation data suggest that after application of Neem Azal 1%, azadirachtin (A+B) residues were detected up to 10 days.

The maximum residue limit (MRL) prescribed by European union for azadirachtin is 1 mg/kg in grapes.

Considering this MRL, the residues were below MRL on all the days including zero day.

On the 15th and 30th day the residues were below the limit of quantification i.e. 0.02 mg/kg.



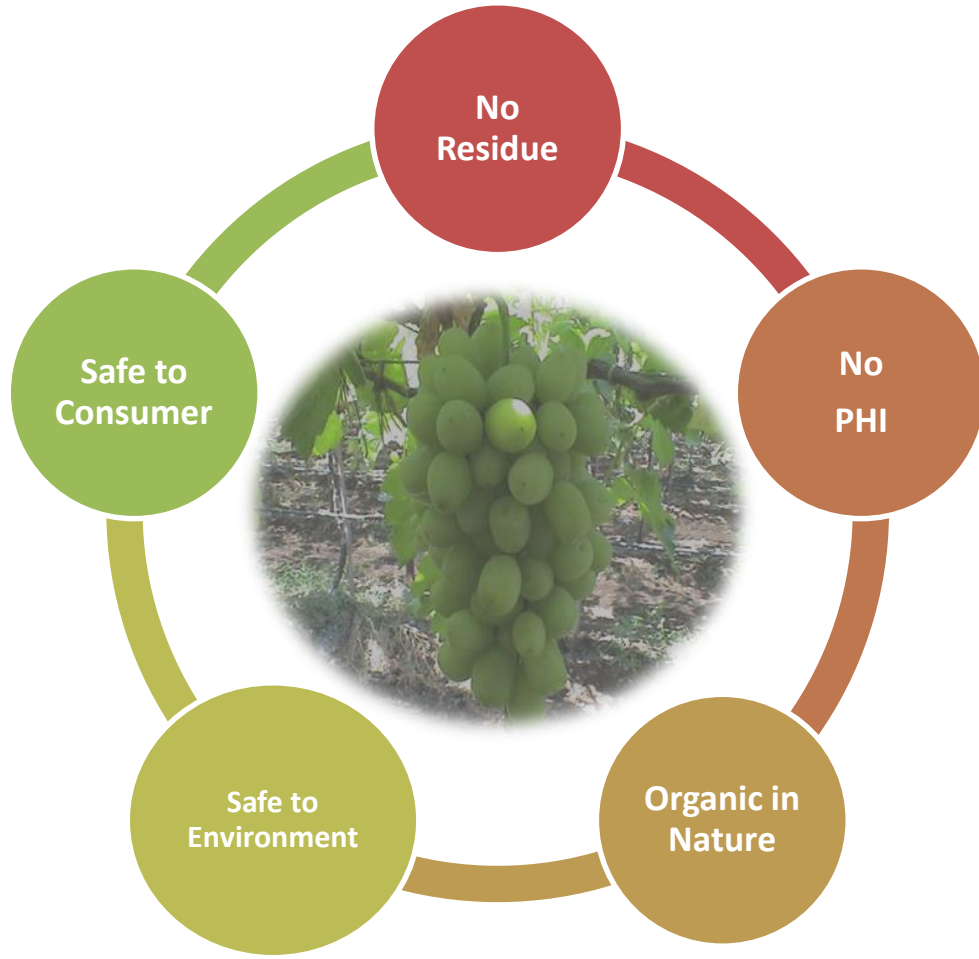
Instrument Details: LC- MS/MS (with API 4000 Q trap MS-Applied Biosystem) ; LOQ– 0.02 mg/Kg

Source:

- Excerpts from report on Bio-efficacy and residue studies of Neemazal on Thrips, Mealybugs, Mites In Grapes (NRCG)

Conclusion

Effective control of Thrips, Mites and Mealy bugs in Grapes



THANK YOU

