

Active ingredient: 830 g/L paraffin oil

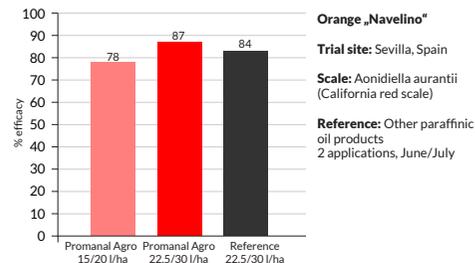
Application table for the southern zone presented by the example of Spain:

Culture	Pests	Dose Min. – Max. (L/ha)	Maximum number of treatments	Interval in days	Mixture (L/ha)	Type and Time of application
tomato, capsicum and eggplant	whitefly and thrips	3 – 12	2	7	300 – 1200	Outdoor application and application in greenhouse
broccoli and cauliflower	whitefly	3 – 12	2	7	300 – 1200	Outdoor application and application in greenhouse, Observation over a period of 60 days for seeding on the same field
cucumber, zucchini, melon and watermelon	whitefly and thrips	3 – 12	2	7	300 – 1200	Outdoor application and application in greenhouse
citrus	mealybugs and lice	5 – 30	2	60	500 – 1500	Application between blossom end and the change of colour of the fruit
stone fruit	aphids	4,5 – 12	2	7	450 – 1200	Application between bud burst and harvest or after harvesting and the begin of winter rest
pip fruit	spider mites, aphids and psilides	4,5 – 12	2	6 – 7	450 – 1200	spider mites and aphids: Application between bud burst and harvest or after harvesting and the begin of winter rest. Psilides: Application between bud burst up to the reach of a fruit size of 50 %
olive tree	olive scale	6 – 15	1	-	300 – 750	Application between blossom end and the reach of a fruit size of 50 %

Promanal® Neu / Promanal® Agro

Insecticides against aphids, spider mites, white flies, thrips and scales as well as for winter dormant application

Efficacy on scales in oranges



Package sizes of Promanal®: 10 L can, 20 L can, 200 L can, 1000 L can

If there are any further questions, please do not hesitate to contact us:

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no development of resistance

not harmful to predatory mites

suitable for integrated and biological production

Production and Sales

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Progema® is a brand of
 W. Neudorff GmbH KG



More information at www.progema.de



Promanal® Neu and Promanal® Agro



Active ingredient:

Progema sells 2 different formulations of paraffinic oil products, **Promanal® Neu and Promanal® Agro**. They contain a highly purified form of paraffin oil. The quality of paraffin oil is the same quality as used in pharmaceutical products and cosmetics.

Residues, Enviromental fate:

Promanal® Neu and Promanal® Agro are non-toxic to bees. Also there is no waiting time to consider, as there are no residues.

Application:

Promanal® Neu and Promanal® Agro are pure contact agents, therefore the plants must be completely wetted on all sides.

This product information does not replace the instructions for use. Please refer to the instructions for use for current application regulations and certification procedures. Use pesticides with care. Always read the label and product information sheet before use. Pay attention to warnings and warning symbols in the instructions.

Promanal® Neu

Active ingredient: 546 g/L paraffin oil

Application table for the Central zone presented by the example of Germany:

Culture	Pests	Dose
pip, stone and soft fruit (except strawberries)	winter eggs of spider mites for decline for early infestation*	10 L/ha in 500 litre water/ha per metre crown height
wine growing	spider mites (winter eggs)*	8 L/ha in 800 liter water/ha
outdoor ornamental shrubs	winter eggs of spider mites for decline for early infestation*	plant size up to 50 cm: 12 L/ha in 600 liter water/ha (2 %) plant size between 50 and 125 cm: 18 L/ha in 900 liter water/ha (2 %)
ornamental plants in greenhouse	spider mites, mealy bugs and scale insects	in 900 liter water/ha (2 %)
indoor greenery rooms and office rooms	spider mites, mealy bugs and scale insects	plant size over 125 cm: 24 L/ha in 1200 liter water/ha (2 %)

*according to own experiments, winter stages scale insects and aphids will also capture with bud burst spraying

applications

Fruits

Vineyards

Vegetables

Ornamental horticulture/
Tree nursery

Indoor gardens

Garden- and Landscaping

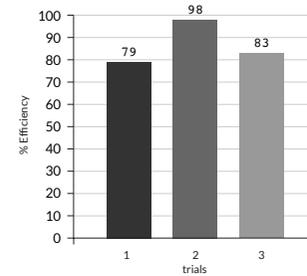
Organic farming:

The active ingredient in **Promanal® Neu and Promanal® Agro** is paraffin oil and is therefore certified in accordance with EU regulations for use on farms operating on organic principles. Approval according to the EC regulation on organic agriculture.

Beneficial organisms: not harmful for predatory mites of the genus *Thyphlodromus pyri* and slightly harmful for ladybirds. The agent is classified as harmful for lacewings (*Chrysoperla carnea*), predatory mites of the genus *Phytoseiulus persimilis* and for the chalcid wasp *Encarsia Formosa*.

Efficacy Promanal® Neu:

winter eggs of spider mites on apples



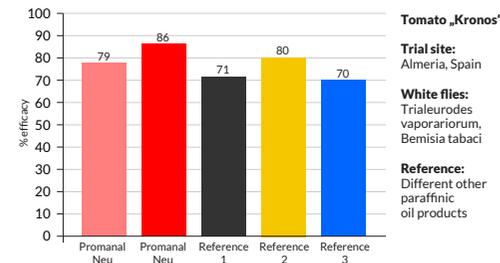
Fruit and wine growing: Why treat bud swell with Promanal® Neu

Treating swelling buds with **Promanal® Neu** can prevent mass proliferation of spider mites at an early stage. Resistance against the winter eggs of spider mites can be eliminated by spraying with **Promanal® Neu**. When using special insecticides resistance often occurs.

Application table for the southern zone presented by the example of Spain:

Culture	Pests	Dose Min. - Max. (L/ha)	Maximum number of treatments	Interval in days	Mixture (L/ha)	Type and Time of application
tomato, capsicum and eggplant	whitefly and thrips	3 - 12	2	7	300 - 1200	Outdoor application and application in greenhouse
broccoli and cauliflower	whitefly	3 - 12	2	7	300 - 1200	Outdoor application and application in greenhouse, Observation over a period of 60 days for seeding on the same field
cucumber, zucchini, melon and watermelon	whitefly and thrips	3 - 12	2	7	300 - 1200	Outdoor application and application in greenhouse
citrus	mealybugs and lice	5 - 30	2	60	500 - 1500	Application between blossom end and the change of colour of the fruit
stone fruit	aphids	4,5 - 12	2	7	450 - 1200	Application between bud burst and harvest or after harvesting and the begin of winter rest
pip fruit	spider mites, aphids and psilides	4,5 - 12	2	6 - 7	450 - 1200	spider mites and aphids: Application between bud burst and harvest or after harvesting and the begin of winter rest. Psilides: Application between bud burst up to the reach of a fruit size of 50 %
olive tree	olive scale	6 - 15	1	-	300 - 750	Application between blossom end and the reach of a fruit size of 50 %

Efficacy on white flies on vegetables



Tomato „Kronos“

Trial site:
Almeria, Spain

White flies:
Trialeurodes vaporariorum,
Bemisia tabaci

Reference:
Different other paraffinic oil products

