



Neudosan[®] Neu

Liquid insecticide to control sucking insects and spider mites on fruits, vegetables and ornamental plants

registered for a wide range of vegetables, fruits and ornamental plants

suitable for integrated and organic production

no preharvest interval, non-toxic to bees



www.progema-plantcare.com



Active ingredient

515 g/l potassium salts of natural fatty acids

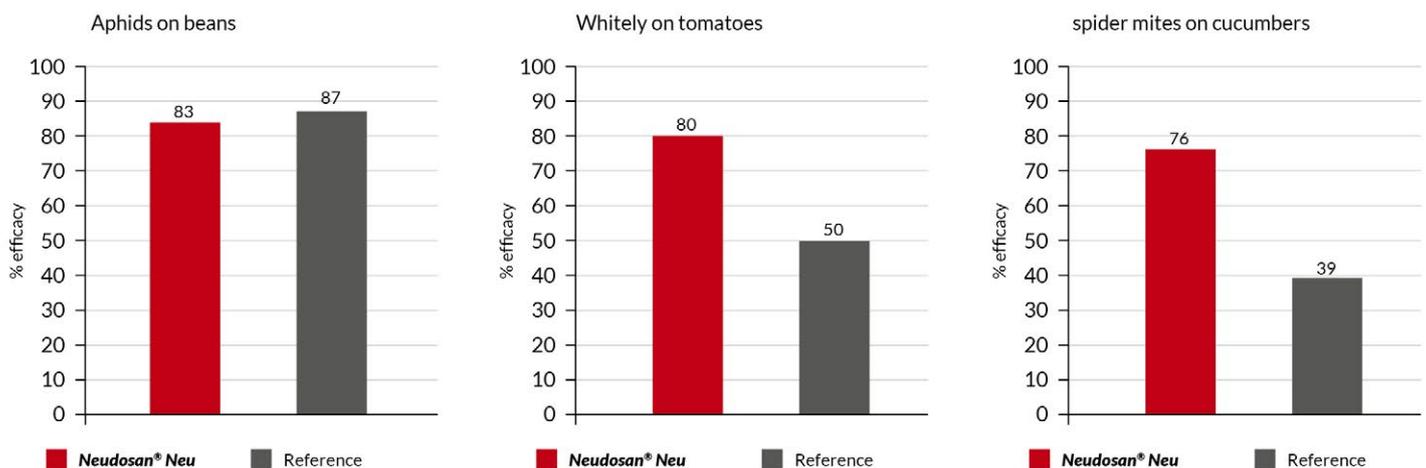
The active ingredients of **Neudosan® Neu** are potassium salts of natural fatty acids. **Neudosan® Neu** is made from fatty acids selected for their insecticidal effect.

Mode of Action

After spraying with **Neudosan® Neu**, insects quickly die. The active ingredient disrupts the cell structure of soft-bodied insects causing the cell contents to leak out. The pests dehydrate in the spray liquid. It also damages the respiratory organs. In contrast to insecticides, which attack the nervous system of insects, the dead pests remain attached to the leaves for a short while before they wither and drop off.

Efficacy

Test results with **Neudosan® Neu**
(effectiveness, mean value from 4 or 6 tests)



Plant compatibility

Transplanted, newly rooted plants should not be treated with **Neudosan® Neu**.

Ornamental plants: Cyclamen, violets, ivy, fuchsias, Calceolaria, poinsettias, Christ's thorn, ferns, types of dracaena and sunflowers can be sensitive to treatment with **Neudosan® Neu**. New growth on greenhouse roses during the winter season may be damaged if directly treated with **Neudosan® Neu**. Flowers may not tolerate **Neudosan® Neu**. Testing a few plants for sensitivity before treating large collections is highly recommended.

Use of beneficial organisms

Neudosan® Neu makes the perfect complement to beneficial insect use. **Neudosan® Neu** can be applied up to a few hours before using beneficial insects because once the spray has dried, there is no risk to beneficial organisms. If beneficial insects are present, **Neudosan® Neu** can be applied for partial control of infestation.

Organic farming

Neudosan® Neu is certified in accordance with EU regulations for agricultural use by farms operating on organic principles.

Fruit growing: **Neudosan® Neu** has a slight thinning effect when sprayed during the flowering stage. Sensitive apple varieties can experience russetting if treated during and shortly after flowering. **Neudosan® Neu** may cause leaf burn if sprayed on varieties such as Braeburn, Gala and Kanzi. Some plum varieties (e.g. Ersinger) may lose their typical blue colour.

Vegetable gardening: **Neudosan® Neu** is mostly tolerated by plants. Basil plants may react with necrosis on leaves if they are treated with Neudosan.



Application

Neudosan® Neu is applied as a 2 % solution.
The following should be noted:

1. Spray application with a high water volume

Neudosan® Neu works only on direct contact. Therefore, the plants must be thoroughly wetted from all sides. It cannot be used in a fogger.

2. Mix the spray liquid with soft water

Water hardness above 250 mg/l calcium carbonate decreases the effectiveness. High iron content in the water can also reduce the effectiveness.

3. Spray at low temperatures and little direct sunlight

The best time to spray with **Neudosan® Neu** is in the early morning or late evening when temperatures are cooler and humidity is higher. The longer the plant surface remains wet after spraying (at least 10 minutes), the more effective the treatment.

4. Recommendations

Neudosan® Neu is effective against adult insects and older larval stages of whitefly as well as spider mite control. Repeat the application at intervals of 5-7 days to control the pests hatching from eggs or young larvae at a later stage. The spray should be applied in the early morning hours when the adult insects are still inactive on the leaves.

Examples for Dose rates/Areas of application

	Plants	Pests	Areas of application	Application rates
Farmland	Field beans	Sucking insects		18 L in 180 L water/ha
	Field peas	Sucking insects		
	Lupin species	Sucking insects		
Fruit Growing	Pome fruit	Sucking insects (except woolly aphid and pear psyllids) Spider mites	Open field	10 L in 500 L water/ha per metre of crown height
	Stone fruit	Sucking insects	Open field	
	Soft fruit	Sucking insects	Open field	20 L in 1000 L water/ha
	Strawberries	Aphids	Open field	40 L in 2000 L water/ha
Ornamental Plants	Ornamental plant/shrubs	Aphids (incl. Sitka spruce aphid, except woolly broadleaf tree and conifer aphids and gall-forming aphids) Spider mites Whitefly	Open field greenhouse Open field, greenhouse Greenhouses	Crop height: < 50 cm: 18 L in 900 L water/ha 50-125 cm: 27 L in 1350 L water/ha > 125 cm: 36 L in 1800 L water/ha
Vegetable gardening	Leaf and stem vegetables	Aphids (except mealy cabbage aphid)	Open field	Crop height: < 50 cm: 18 L in 900 L water/ha 50-125 cm: 27 L in 1350 L water/ha > 125 cm: 36 L in 1800 L water/ha
	Fruiting vegetables	Whitefly Aphids, spider mites	Greenhouses Open field, greenhouse	
	Leaf vegetables & fresh herbs	Sucking insects	Greenhouses	
	Bulb vegetables and legume vegetables	Sucking insects	Open field	
	Brassica, root and tuber vegetables	Sucking insects	Open field, greenhouse	
	Bean sprouts and young vegetable plants	Sucking insects	Greenhouses	

Environmental compatibility data

Beneficial organisms: Harmless to predatory mites (*Typhlodromus pyri*), lacewings and ladybirds. It is slightly harmful to predatory mites (*Amblyseius andersoni*) and chalcidoid wasp (*Trichogramma cacoeciae*). Harmful to hover flies.

Bees: Product is not harmful to bees. (German registration)

Water: No requirements regarding water protection areas. The product is toxic to fish food sources but non-toxic to fish. Waters distance conditions: see www.progema.de

Preharvest interval: None



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 insecticides with care. Always read the label and product information sheet before use. Pay attention to warnings and warning symbols in the instructions.

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