



Lancer[®] 750DF

For the control of most caterpillar pests and aphids on avocados, citrus, ornamentals, tamarillos and vegetable crops

<u>Active Ingredient:</u>	750g/kg acephate
<u>Chemical Group:</u>	Organo-phosphate
<u>Formulation:</u>	Water soluble powder
<u>Pack Size:</u>	1kg
<u>Compatibility:</u>	Lancer 750DF may be tank mixed with most commonly used fungicides, adjuvants and insecticides, with the exemption of strongly alkaline materials such as hydrated lime, Bordeaux mixture and lime sulphur.

Contact and Systemic Action

As a foliar spray, Lancer 750DF penetrates the plant and translocates throughout the leaf. Insects contacting the spray, or feeding on the plant above or underground, are effectively controlled. Lancer 750DF continues to work and protect your crop for two to four weeks after application.

Environmentally Sound

Lancer 750DF has low acute mammalian toxicity. It is rapidly degraded by plants and organisms. Treated fields can be re-entered once the product has dried. It is highly toxic to bees and direct exposure should be avoided. Lancer 750DF rapidly penetrates plants and does not wash off easily onto the soil. Acephate – the active ingredient – is rapidly degraded in soil by soil micro-organisms and thus will not “build-up” in soil or groundwater.



Proven Benefits of Lancer 750DF:

- Broad spectrum insect control ✓
- Especially effective on sap feeding insects ✓
- Contact and systemic activity ✓
- Quickly absorbed to ensure rainfastness after application ✓
- Degrades in soil to minimise impact on the environment ✓
- Highly cost-effective ✓

APPLICATION: Use water rates capable of achieving complete and uniform coverage. Dilution rates given are for high volume spraying to run-off and should be adjusted for concentrate spraying.

WITHHOLDING PERIODS:

Lettuce and Tomatoes3 days
 Cabbages, Cauliflowers, Potatoes..... 7 days
 Citrus and Tamarillos..... 14 days
 Avocados.....28 days.

RAINFALL: Rain within 6 hours following treatment may reduce effectiveness.

SURFACTANT: Add wetting agent for brassicas and other difficult to wet plants.

DIRECTIONS FOR USE:

CROP	PESTS	RATES	COMMENTS
Avocados	Grass grub beetle Greedy scale Leafrollers Mealy bug	100g/100 litres water	Apply the first spray before flowering begins and repeat when flowering has finished. Further sprays will be required at 3-4 week intervals until the end of April, and thereafter only if needed. For heavy infestations of mealy bug or scale add 1 litre of "All purpose spraying oil" per 100 litres of spray mix. Observe all precautions for oil sprays. Repeat as required.
<i>Nursery seedlings</i>	Aphids, caterpillars	100g/100 litres water	
Boysenberries	Leafhoppers	1kg/ha	Apply immediately after harvest or late in the autumn before overwintering eggs are laid.
Citrus	Aphids, Leafrollers Mealy bug	100g/100 litres	Apply at monthly intervals from petal fall until 14 days before harvest. Where red scale is a problem, a 1% oil spray should be applied with Lancer 750DF in the pre and post-flowering treatments. The use of oil sprays on tangelos after December may affect fruit finish.
Lettuce	Aphids Caterpillars	1kg/ha or 100g/100 litres	Apply every 2 weeks as needed.
Potatoes	Aphids	250-500g/ha	Apply as soon as first aphids are seen. Repeat after 10-14 days if necessary. Rates of up to 750g/ha may be required if aphid populations are high. When used against aphids, the normal spray for the control of potato tuber moth may be omitted if the rate is increased to 1kg/ha. Apply at 10-14 day intervals beginning at the first appearance of foliage mining activity.
	Potato tuber moth	1kg/ha	
Ornamentals, incl. roses	Aphids caterpillars	25g/100 litres	Apply at 2 week intervals or as required.
Tamarillos	Aphids Caterpillars Grass grub beetles	100g/100 litres	Apply at first appearance of insects. Repeat as necessary at 10-14 day intervals.
Tomatoes	Caterpillars	100g/100 litres, or 1kg/ha	Apply every 2 weeks as a preventative programme.
Vegetable brassicas (cabbages, cauliflowers)	Diamondback moth White butterfly Green peach aphid	1-1.5kg/ha or 100g/100 litres	Apply at 7-day intervals after transplanting. The addition of a wetting agent is essential to enhance effectiveness.

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