



Pack
Sizes

5L

20L

Flume® - Arable

In arable cropping, effective coverage of insecticides and fungicides is critical for effective pest and disease control. Successful pre-harvest desiccation also relies on achieving effective coverage of the entire crop canopy. Agrichemicals and water alone have a tendency to form discrete (or individual) droplets on leaf surfaces. These droplets are prone to bouncing or rolling off the plant surfaces due to the angle of the leaf, movement of leaves during spraying or if conditions are windy. Flume is a key component in overcoming this problem. Flume is a superior non-penetrating super spreader improving coverage of agricultural products in low volume applications. Flume reduces surface tension of spray solutions significantly improving deposition and spreading, allowing the spray to rapidly cover the plant surface when used at recommended rates in low water volumes.

Flume can be used in both ground and aerial applications.

Low water rates

As Flume provides significant improvement in spreading, it is important to reduce water rates in ground based applications. If standard water rates are used, the crop protection products can run off the plants resulting in the plant receiving a lower application rate of chemical than required.

Flume for forage brassicas

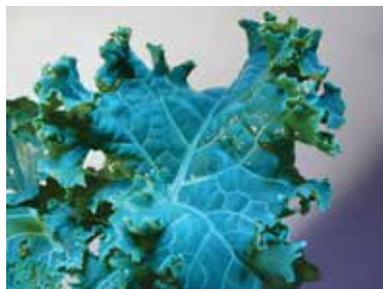
Forage brassica leaves are very difficult to wet and canopies become tall and dense as they mature. Insect pressure in brassica crops can cause huge losses with pests being harboured deep in the canopy often protected from sprays. The addition of Flume to insecticides applied

to forage brassicas will help improve spreading to these large leaves and canopies and ensure that the insecticide achieves best possible coverage. For difficult to wet foliage like forage brassicas, 250-500ml/ha of Flume should be used. See Flume label for further advice on use rates and follow directions on the insecticide label.

**Kale plants treated with water or Flume.
UV fluorescent dye included in both treatments.**



Water only

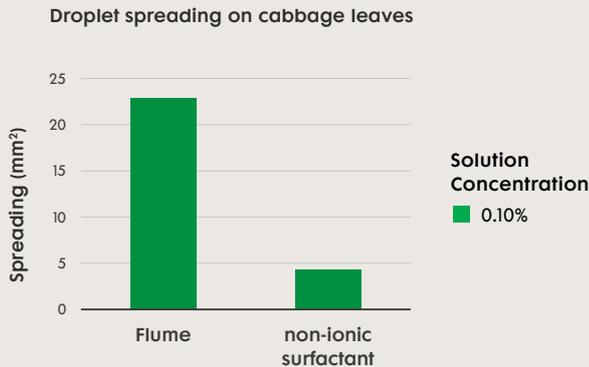


Flume 0.15%
upper leaf surface



Flume 0.15%
wrapping around to
under surface of leaf

PPCNZ report to Nufarm Australia. Comparison of adjuvant spreading on cabbage leaves.



Flume for cereal and grass seed crops

The addition of Flume to fungicides for disease control in cereal and grass seed crops will greatly improve coverage. Cereals and grasses are considered to be difficult to wet crops so a use rate of 250-500ml/ha of Flume should be used. See Flume label for further advice on use rates and follow directions on the fungicide label.

Barley plants treated with water or Flume. UV fluorescent dye included in both treatments.



Water only



Flume 0.15%

Flume for desiccation

Flume can be added to diquat desiccants to increase spreading and improve crop desiccation in wheat & barley crops and seed crops of, green beans, lentils, lucerne, peas, red clover and white clover. Use 225–250ml Flume per 3L of your preferred 200g/L diquat product in 150-200L water per hectare.

Always follow the directions on the diquat product label.



Clover seed crop

Compatibility

Flume is compatible with most commonly used fungicides, insecticides and plant growth regulators however some formulations of agricultural chemicals (usually solvent or oil based products) may be antagonistic and reduce the spreading properties of Flume. Adding more Flume will maintain coverage.

Check regularly to ensure an even film (not individual droplets) is covering plant surfaces. If not, add more Flume, not more water.

Flume has demonstrated good plant safety. However not all plants and spray mixtures have been tested. Treatments that have a potential for phytotoxicity could be aggravated by Flume. Before treating large areas, a small area should be tested and the results observed.

The information contained is a quick reference only. Always consult the product label before use.

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