

Nu-Film - 17

**non-ionic
extender-sticker-spreader**

Nu-Film-17 is a superior extending agent, specially designed to enhance the useful life of the pesticides, fungicides or fertilisers you mix in your spray tank. Nu-Film-17 provides a mantle of protection for each leaf allowing you to achieve the maximum benefit and performance from your spray applications, and that means:

Nu-Film-17 provides :-

- Better spray deposition
- Less pesticide loss due to environmental factors
- Fewer applications = Fewer manhours
- Prolonged pesticide control
- Improved yield & cost effectiveness

Nu-Film-17 is :-

- Completely natural product derived from pine resin
- Totally harmless to living organisms (eg: man, animals, plants)
- Compatible with all commercially used insecticides, fungicides and foliar fertilisers
- Dries in just one hour and provides wash-off protection from heavy rain
- Protects Biological Insecticides - ideal for IPM programs

Superior wetting action

Greatly reduces run off at application and prevents re-wetting once dry to allow controlled distribution of pest-icides as Nu-Film weathers.

Spreading

Helps pesticide sprays penetrate and spread out uniformly on hairy or waxy leaves to get into all cracks and crevices.

Sticking

As a derivative of pine resin, Nu-Film-17 is a superior natural adhesive. Increasing the initial amount of pesticide deposited during field applications and also protects the spray residue from loss due to irrigation, rain, dew, leaf abrasion and wind erosion.

Controlled release

Nu-Film-17 dries into an elastic film which encapsulates the pesticide particles.

- Systemic chemicals move from the film into the plant tissue
- Contact insecticides are slowly released on the outside of the film for re-distribution and active pest control as the film naturally weathers.

Activator

Because Nu-Film-17 dries rapidly into a waterproof film, it protects systemically translocated chemicals until they can penetrate and enter the plant tissue.

UV Protection

Nu-Film-17 acts as a sunscreen, preventing degradation of the pest-icide residue by ultra violet light.

Shields against heat

Nu-Film-17 protects the pesticides against heat decomposition by reflecting solar radiation.

Hydrolysis and evaporation

Nu-Film-17 encapsulates pesticides before they can evaporate, allowing them to be released slowly for more effective use.

The perfect IPM partner

Nu-Film-17, being a completely natural and non-toxic product itself, extends the life of biological control organisms such as Bt (*Bacillus thuringiensis*) and viral agents.

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DIRECTIONS FOR USE

GENERAL APPLICATIONS

Under most conditions spray Nu-Film-17 at least one hour, during daylight, before an anticipated rain. Sunlight for this time period is needed for the protective film to set. Nu-Film-17 is compatible with most herbicides, insecticides, fungicides & foliar fertilisers. Recommended not to be used with selective herbicides

PURPOSE	RATE	USAGE
AS A STICKER To control the life of the pesticide by forming a sticky elastic film that encapsulates and holds the pesticide on the crop foliage.	300-400 mL/ha	Up to the normal pesticide cut-off time. At these rates Nu-Film-17 will not act as an Extender.
AS A SPREADER Helps the pesticide spray spread out uniformly on hairy or waxy plant parts to get into cracks and crevices.	300-400 mL/ha	Up to the normal pesticide cut-off time. At these rates Nu-Film-17 will not act as an Extender.
AS AN EXTENDER To extend the time between sprayings of some pesticides.	Limited extender 600 mL/ha Full extender 1.2 L/ha	DO NOT APPLY NU-FILM-17 AS AN EXTENDER WITHIN 30 DAYS OF HARVEST OF FOOD CROPS. SPECIFIC APPLICATIONS CAUTION: Nu-Film-17 can be used with Copper fungicides and tolerance exempt pesticides on Food Crops right up to harvest. The use of Nu-Film-17 on tolerance exempt pesticides close to harvest may result in visible residues on crops that may render them unsaleable. If this becomes a problem, the rate of Nu-Film-17 should be reduced or stopped altogether.

DILUTE TREES SPRAYS (EG CITRUS). USE THE ABOVE NU-FILM-17 VOLUME RATES (ML) PER 400 LITRES OF WATER FOR HIGH WATER RATES IN DILUTE TREE SPRAYS.

**NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION
ALWAYS REFER TO LABEL DIRECTIONS ON THE PRODUCT CONTAINER**

GENERAL INSTRUCTIONS

To convert rates per hectare per 100 Litres of water - use the following equation:

$$\text{mL of Nu-Film-17 per 100 L of water} = \frac{\text{Nu-Film-17 Rate per hectare required (mL/ha)} \times 100}{\text{Water rate Applied (Litres/ha)}}$$

Eg. Nu-Film-17 as a full extender @ 1200 mL/ha with 500 Litres of water applied per hectare.

$$\frac{1200 \times 100}{500} = 240 \text{ mL of Nu-Film-17 per 100 litres of tank mix}$$

Add Nu-Film-17 to the spray tank as it is filling, with the agitator running. To ensure good emulsification of this product, it is advisable to pre-mix Nu-Film-17 with water before adding to the spray tank. Add Nu-Film-17 to the spray tank as the last ingredient. Rinse tank, lines and nozzles, immediately after spraying, with water. After rinsing, there may still be a small amount of sticky residue in the tank. This will help to prevent rusting and corrosion. It will not clog nozzles when sprayer is next used. If spray happens to land on undesired surfaces, such as windows, cars, application equipment or others, it can be removed with soap and water, before the spray deposit is dry with premium grade or white kerosene after the film has dried or set. To remove dried deposits from painted surfaces, use standard tar remover products designed for use on painted car finishes.

Use this product in accordance with good agronomic practices, which include utilising proven spray equipment set for proper coverage. Do not make applications when temperatures are too hot. Applications should be made at temperature levels and when other environmental conditions in your area are such that your experience indicates the application will be compatible and will accomplish the desired result.

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