KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

FRUITION®

NATFLAV® 500

Protein, Yeast Autolysate
Salt Free & Preservative Free

ACTIVE CONSTITUENT: 420 g/L PROTEIN MATERIAL

A premium quality yeast bait for use in a baiting mixture and applied in a program for newly emerged and immature fruit flies.
Can be used in conjunction with Fruition® Nova® Traps in an IPM program.

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AgNOVA TECHNOLOGIES

Contents 2 L and 10 L

FRUITION NATFLAV® 500

Fruition Natflav® 500 is a premium quality yeast bait for use as an attractant in a baiting mixture with any insecticide approved for this use. The baiting mixture is used in a baiting program for newly emerged and immature fruit flies.

When used in conjunction with Fruition Nova Traps according to the product label, Fruition Natflav 500 in a baiting mixture can form part of an IPM program for Queensland fruit fly (*Bactrocera tryoni*) and a range of other pest fruit flies, including cucumber fly (*B. cucumis*), Jarvis' fruit fly (*B. jarvisi*), lesser Queensland fruit fly (*B. neohumeralis*), and Mediterranean fruit fly (*Ceratitis capitata*).

Efficacy of a fruit fly control program is dependent on a range of factors including fruit fly numbers, crop history and susceptibility, crop canopy, size and density, crop value, surrounding crop type and maturity stage, seasonal conditions, etc.

For effective management of fruit fly, Fruition Natflav 500 should be used as part of a broader strategic control program. This should involve other products approved for the control of fruit flies, including Fruition Nova Traps which will attract and trap mature egg-laying female fruit flies.

In all situations, begin protein bait spraying early, before fruit becomes susceptible to fruit fly infestation, and complement protein bait spraying with use of Fruition Nova Traps to allow monitoring of fruit fly population dynamics. If numbers of mature egg-laying female fruit flies continue to increase following implementation of a program of Fruition Natflav 500 protein bait sprays and Fruition Nova Traps, cover spraying of an approved insecticide or implementation of additional pest management strategies may be required.

DIRECTIONS FOR USE:
USE IN COMBINATION WITH AN INSECTICIDE APPROVED FOR THIS USE AS PART OF AN IPM PROGRAM FOR CONTROL OF FRUIT FLIES.

SITUATION	PEST	RATE	CRITICAL COMMENTS
Crops susceptible to fruit fly attack	For example: Queensland fruit fly (*Bactrocera tryoni*), Lesser Queensland fruit fly (*Bactrocera neohumeralis*), Jarvis' fruit fly (*Bactrocera jarvisi*), Cucumber fly (*Bactrocera cucumis*)	Fruition Natflav 500: 0.5–6 L/100 L water or gelatinised water, PLUS Recommended rate of approved insecticide.	The following recommendations are provided as a general guide. Always adhere to the approved insecticide label for specific directions for use. Yeast autolysate protein products can cause crop phytotoxicity. Always adhere to the approved insecticide label directions to reduce the risk of crop phytotoxicity. Follow the withholding period provided on the label of the insecticide being used. Higher use rates of Fruition Natflav 500 will increase bait attractiveness and efficacy. SPOT APPLICATION: Apply to trees, vines and foliage as coarse spots of 40–50 mL per spot. Apply 150 spots per hectare. For optimal control of fruit flies, Fruition Natflav 500 *plus* insecticide bait applications should commence well before the fruit becomes attractive to mature egg-laying female fruit flies i.e., from the early stages of fruit set, when fruit is still hard and green (at least 6 weeks prior to expected harvest date). Continue applications for two weeks after harvest. Application of Fruition Natflav 500 in gelatinised water provides maximum efficacy and increased bait resistance to weathering. Repeat applications every 5–7 days. Shorter application intervals will be necessary during warm wet weather. Use the longer spray interval when spraying during colder weather when fruit flies are less active. Rainfall will wash the baiting mixture off the crop. If rain occurs after application re-apply as soon as possible after the rain event. Avoid application of the baiting mixture to fruit or other edible commodities.

SITUATION	PEST	RATE	CRITICAL COMMENTS
Citrus – additional instructions	For example: Queensland fruit fly (*Bactrocera tryoni*), Lesser Queensland fruit fly (*Bactrocera neohumeralis*), Jarvis' fruit fly (*Bactrocera jarvisi*), Cucumber fly (*Bactrocera cucumis*)	Fruition Natflav 500: 0.5–6 L/100 L water or gelatinised water, PLUS Recommended rate of approved insecticide.	Critical comments as above for crops susceptible to fruit fly attack. Apply as above OR at 15–20 L/ha total volume as a 30 cm band at skirt level of trees for area wide control. Some varieties of citrus may be susceptible to fruit damage from the spray. As repeat applications of protein bait sprays to the same part of the tree may cause some phytotoxicity, it is recommended that alternate sides of the trees are sprayed each week.
Vegetables and berry crops			Critical comments as above for crops susceptible to fruit fly attack. Do not apply directly to crop. Spray perimeter vegetation around the outside of the crop. Where Queensland fruit fly is specifically being targeted apply the spray at a height of 1.5–2 m onto the perimeter vegetation; where cucumber fly is being targeted, apply the spray at a height of 0.5–1 m onto the perimeter vegetation.
Crops susceptible to fruit fly attack	Mediterranean fruit fly (*Ceratitis capitata*)		The following recommendations are provided as a general guide. Always adhere to the approved insecticide label for specific directions for use. Yeast autolysate protein products can cause crop phytotoxicity. Always adhere to the approved insecticide label directions to reduce the risk of crop phytotoxicity. Follow the withholding period provided on the label of the insecticide being used. Higher use rates of Fruition Natflav 500 will increase bait attractiveness and efficacy. Commence weekly bait spraying when fruit is half size. Where Mediterranean fruit fly pressure is expected to be high, begin bait spraying at fruit set. SPOT APPLICATION: Apply 50–100 mL of bait mixture in coarse droplets (4–6 mm in size) to foliage. Apply to every tree in a row; alternate the sides treated at each application. BAND SPRAY: Apply as a band spray to each tree in a row or, with a spray rig set up to spray both sides of a row, travel up and down every second row so that trees are not being double sprayed. It is recommended to continue bait spray applications for at least 4 weeks after harvest to ensure that flies emerging from the soil are controlled. Continue treating any citrus trees while fruit remains on other trees as citrus are favoured resting places for Mediterranean fruit fly. Bait spraying in Autumn is recommended as Mediterranean fruit flies present at this time are the source of infestation in the following spring.

PREPARATION

If using gelatinised water, this needs to be prepared on the day prior to spraying the baiting mixture. To do this, add Fruition Xanthan Gum powder to water at a rate of 5 g/L and agitate thoroughly. On the day of application, mix the gelatinised water thoroughly until a uniform consistency is achieved.

On the day of application, prepare the baiting mixture by adding Natflav at a rate of 0.5–6 L/100 L of water or gelatinised water, in combination with an insecticide approved for this use according to the DIRECTIONS FOR USE table on the insecticide label.

Agitation should be maintained throughout the mixing process and until application is completed. Only prepare enough baiting mixture for use on the day of application.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area.

DO NOT store for prolonged periods in direct sunlight.

Triple rinse containers before disposal. Add rinsings to spray tank. Dispose of the containers through an approved waste disposal system.

Keep out of reach of children.

SAFETY DATA SHEET

If additional information is required refer to the Safety Data Sheet. For a copy visit our website agnova.com.au

CONDITIONS OF SALE

AgNova Technologies Pty Ltd shall not be liable for any consequential or other loss or damage relating to the supply or subsequent handling or use of this product, unless such liability by law cannot be lawfully excluded or limited. All warranties, conditions or rights implied by statute or other law which may be lawfully excluded are so excluded. Where the liability of AgNova Technologies Pty Ltd for breach of any such statutory warranties and conditions cannot be lawfully excluded but may be limited to it re-supplying the product or an equivalent product or the cost of a product or an equivalent product, then the liability of AgNova Technologies Pty Ltd for any breach of such statutory warranty or condition is so limited.

This product does not require approval by the APVMA.

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This label requires no additional statements in accordance with the Globally Harmonised System of Classification and Labelling (GHS).

In a transport emergency dial 000, Police or Fire Brigade.
For specialist advice in an emergency only, call 1800 033 111 (24 hours).

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