

# argenfrut **SUPREME**

## Description

**argenfrut Supreme** is a fast breaking emulsifiable mineral oil of high persistence, very narrow range, free of aromatic components, specially developed to efficiently control insects, mite and certain fungus such as Greasy Spot in citrus trees, deciduous fruit trees and olive tree.

**argenfrut Supreme** acts by contact producing the death of the insect by suffocation.

Given its solving power on the chitin covering the spawning of the insects, it has a clear ovicide effect preventing in this way reinfections.

On the other hand, as it produces the death of the insect by suffocation, their natural predators are kept alive (eg. *Aphytis melinus*), achieving in this way a more efficient and economical control of common plagues, as is the biological control.

Argenfrut Supreme base oil meets the requirements of CFR title 21 sections 178.3620 (b) and (c) for indirect contact with food and 573.680 for animal food.

## Application

**argenfrut Supreme** must be applied with high or low volume equipment, with working pressure no lower than 350 pounds/inch<sup>2</sup> and provided with agitators rotating at no less than 150 r.p.m. to keep the emulsion homogeneous during the whole application.

It is recommended for a completely successful use:

- Not to spray in excessively hot or low temperature periods (below 5° C). On hot days, preferably spray before 10 am or after 3pm. Also in this case it is advisable to do the applications at night.
- As long as the application lasts, the agitators should be kept constantly working at a constant pressure, to ensure the homogeneity of the emulsion.
- Not to spray when the plant suffers drought or any other severe stress.
- The minimum lapse of time between two applications of oil should be 30 days.
- The product does not need a grace period.
- Separate the application of oil from the one of sulfur, calcium polysulfide or alike for a period of 4 weeks minimum.

## Application data

CROP	DOSES	MOMENT OF APPLICATION
<b>Citrus trees</b>	From 40 to 60 liters of product per hectare. When applied with high volume equipment, use from 1.0 to 1.5 liters of product every 100 liters of emulsion.	At the end of summer and spring, when the fruit has approximately the size of a nut.
<b>Apple/Pear/Plum/Peach</b>	From 60 to 80 liters of product per hectare. When applied with high volume equipment, use from 1.5 to 2 liters of product every 100 liters of emulsion.	Application must be done in winter, a little before bud-swelling. In case of new infestation, it is advisable to complete with a spring-summer spraying of 40 to 60 liters of product per hectare.
<b>Grape</b>	From 20 to 30 liters of product per hectare. When applied with high volume equipment, use from 1 to 1.5 liters of product every 100 liters of emulsion.	End of spring and summer.

## TECHNICAL DATA SHEET

### Plagues controlled

- Citrus rust mite (*Phyllocoptruta oleivorus*)
- Table-grape red mite (*Oligonychus vitis*)
- Clover mite (*Beryobia praetiosa*)
- Obscure mealybug (*Pseudococcus viburni*)
- Cottony cushion scale (*icerya purchasi*)
- Citrus snow scale (*Unaspis citri*)
- Soft brown scale (*coccus hesperidum*)
- Mussel scale (*Mytilococcus beckii*)
- Ceroplastes grandis
- Lecanium scale (*Lecanium delatae*)
- Citrus mealybug (*Pseudococcus citri*)
- Florida red scale (*Chrysomphalus aonidun*)
- Black scale (*Saissetia oleae*)
- California red scale (*Aonidiella aurantii*)
- Spanish red scale (*Chrysomphalus dictyospermi*)
- Grape blister mite (*colomerus vitis*)
- Greasy Spot
- Woolly whitefly (*Aleurothrixus floccosus*)
- Powdery mildew (*uncinula necator*)
- European grapevine moth (*lobesia botrana*)
- Grapevine aphid (*aphis ilinoiensis*)
- Black citrus aphid and cotton aphid (*Toxoptera aurantii* and *Aphis gossypii*)
- Thrips (*Frankliniella* spp)

**NON TOXIC FOR BEES, WILD OR DOMESTIC ANIMALS OR FISH.**

### SPECIFICATIONS

TEST	METHOD	SPECIFICATIONS		TYPICAL VALUE
		MIN	MAX	
COLOR	ASTM D-1500		0,5	< 0.5
API GRAVITY	ASTM D-1298			33,5
SPECIFIC GRAVITY @ 15° C, Kg/dm <sup>3</sup>	ASTM D-4052			0,852
POUR POINT, °C	ASTM D-97			-14
FLASH, COC, °C	ASTM D-92			204
UNSULFONATED RESIDUE, %	ASTM D-483	99,0		> 99,0
DESTILATION @ 10 mm Hg, 50% °C	ASTM D-1160			245
DESTILATION @ 10 mm Hg, 10-90% °C	ASTM D-1160			39
SATURATED HYDROCARBONS, %	SFC			99.99
POLYCYCLIC AROMATIC HYDROCARBONS	HPLC	2		<2*
Carbon atoms	ASTM D-6417			27

\* The detection limit of the equipment for this test is 2 ppm.

**SENSA REGISTER N° 34843**

**Argenfrut Supreme** base oil meets the requirements of CFR title 21 sections 178.3620 (b) and (c) for indirect contact with food and 573.680 for animal food.