

Synergy SUPER FINE

Spray Oil Emulsion

Synergy Super Fine spray oil emulsion controls a wide variety of insect and mite pests and diseases by smothering eggs, larvae, and adults; and preventing disease producing pathogens from attaching to the plant surface. It is easy on beneficials, and fits in well with IPM programs. It has a four hour REI and has shown very good plant safety in trials. And to top off these benefits, Synergy comes with a low cost in use.

The Refining Process

Synergy Super Fine spray oil emulsion is a very unique product in the world of pest control. Although it is called a spray oil, no other horticultural oil compares in physical attributes and performance. Synergy Super Fine utilizes the highest quality oil available, surpassing the rigid standards set forth in states like Florida and California. The quality is due to selecting oil from only the very specific cut of the refining process known as the 'center cut'. This is the narrowest range of the narrow range oils. What this means to you is the safest, constantly uniform, and most effective spray oil available.

The Emulsion Process

In addition to the highest quality oil, Synergy Super Fine utilizes a *multiple emulsion* process in its manufacturing

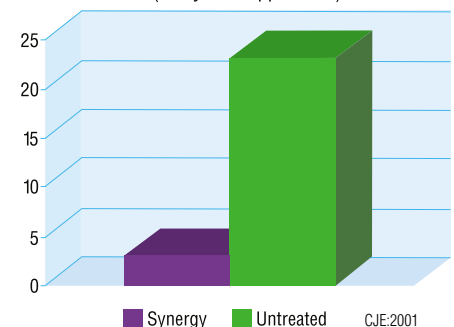


which sets it apart from all other oils which normally use only one. *The first emulsifier* in Synergy Super Fine coats the finely sheared oil droplets and prevents them from re-forming into large particles. Chemically speaking, the emulsion prevents a reaction known as chemical bonding, which causes oil droplets to combine with each other. What this simply means is that the oil will stay mixed in water for over 3 hours while other oils separate out in minutes. The emulsion overcomes the old adage that "oil and water don't mix". A *second emulsifier* is utilized to greatly enhance spreading, sticking, and extend-

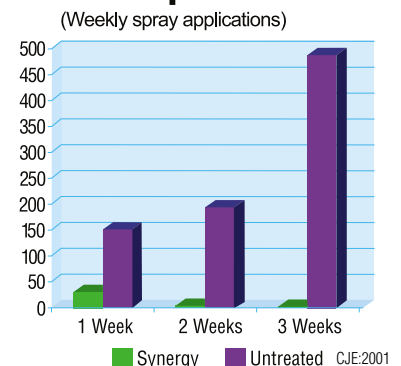
ing qualities. This emulsifier enables Synergy Super Fine to hold fast during periods of heavy rain and many irrigation cycles, extending disease protection.

A *third emulsifier* is then added to provide protection against ultraviolet rays from the sun. This not only greatly enhances safety by reducing the potential for burn but also affords protection for other pesticides susceptible to UV degradation that are tank mixed with Synergy Super Fine.

Whitefly Adults on Poinsettia (1 day after application)



Spider Mite Adults on Juniper (Weekly spray applications)



Attributes and Benefits of Synergy Super Fine

Characteristic	Synergy Super Fine	Other Horticultural Oils
H ₂ O Emulsion	Stable	Separates
Agitation	Minimum	Critical and Constant
Rain Fastness	Excellent	None
Droplets	Evenly Spread	Combine and Puddle
Manufacturing	Emulsion Process	Tank mixed
Particle Size	50 microns	700 microns
Physical Properties	Flowable Emulsion	Thin Oil
Product Safety	Safe at 90° F	Potential Phytotoxicity



Manufactured exclusively for:
Griffin Greenhouse & Nursery Supplies