

PMRA Approved Label
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PURESPRAY™ FX

Fungicide, Insecticide, Miticide

Solution

A highly pure horticultural spray oil used for the suppression of mites and powdery mildew, and deterring feeding by aphids. For use on industrial hemp grown for cannabinoid extraction and cannabis, which are produced in enclosed growing structures and field-grown

COMMERCIAL

ACTIVE INGREDIENT:

Mineral oil 99%

REGISTRATION NO. 33347
PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING
KEEP OUT OF THE REACH OF CHILDREN
CAUTION-EYE AND SKIN IRRITANT
CAUTION POISON

NET CONTENTS 1 L - 1040 L, Bulk

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Patent(s): www.suncor.com/patents

PRECAUTIONS:

**KEEP OUT OF REACH OF CHILDREN.
MAY IRRITATE EYES AND SKIN
AVOID CONTACT WITH EYES AND SKIN
HARMFUL IF INHALED. AVOID INHALING SPRAYS.**

Handle with caution and apply and use only as recommended and at recommended rates. Wear a long-sleeved shirt, long pants, and shoes and socks during mixing, loading, application, clean-up and repair. Do not apply to areas occupied by unprotected humans or domestic animals and do not allow to drift to such areas. Do not contaminate foodstuffs or feed and do not store with such consumables. Do not contaminate streams, ponds or lakes or any irrigation water or water used for livestock or domestic purposes. CAUTION: This is a mineral oil product and may be flammable - keep away from fire, open flame and other sources of heat or lighted electric bulbs.

Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity, such as houses, cottages, schools and recreational areas, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

FIRST AID:

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take the container label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: This product contains a petroleum distillate solvent. Vomiting may cause aspiration pneumonia. Treat symptomatically.

DIRECTIONS FOR USE:

PURESPRAY FX is an emulsifiable horticultural spray oil that suppresses powdery mildew and mites, and deters feeding by aphids on industrial hemp grown for cannabinoid extraction and cannabis, which are produced in enclosed growing structures and field-grown.

FOR EFFECTIVE SUPPRESSION THOROUGH COVERAGE IS ESSENTIAL. AVOID OVERSPRAYING.

PURESPRAY FX should be applied using any conventional ground spray equipment as recommended in the provincial spray calendars. Applicable equipment includes: air blast sprayers, field sprayers, handheld sprayers, backpack sprayers, spot applicators, and other conventional ground spray equipment.

DO NOT allow effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

DO NOT enter or allow others to enter treated areas during the restricted-entry interval (REI) of 12 hours. For early entry into treated areas, workers will be required to wear long-sleeved shirt, long pants, shoes and socks.

Field sprayer application: DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) fine classification. Boom height must be 60 cm or less above the crop or ground.

Airblast application: DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows. DO NOT apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

DO NOT apply by air.

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Intelligro under the User Requested Minor Use Label Expansion program. For these uses, Intelligro has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

APPLICATION RATE TABLE			
CROP	PESTS	APPLICATION RATE	COMMENTS
Cannabis	Suppression of	5 L of PURESPRAY FX	Maximum 6 applications

<p>produced in enclosed growing structures and field-grown</p>	<p>powdery mildew (<i>Erysiphe cichoracearum</i>, <i>Podosphaera macularis</i>) and mites; Deter feeding by aphids.</p>	<p>in 250-500 L water (1-2% solution).</p> <p>Use sufficient spray volume, 1000-3000 L/ha, to ensure thorough crop coverage.</p>	<p>during lifespan of plant (lifespan is 12-14 weeks from cutting to harvest).</p> <p>Only use lower application rate (1%) during budding/flowering.</p> <p>Re-application interval is 7-14 days.</p> <p>For powdery mildew, begin applications when conditions are favourable for disease.</p> <p>Do not apply on new seedlings or clones less than 2 weeks old without having determined sensitivity (phytotoxicity).</p>
<p>Industrial hemp grown for cannabinoid extraction produced in enclosed growing structures and field-grown</p>	<p>Suppression of powdery mildew (<i>Erysiphe cichoracearum</i>, <i>Podosphaera macularis</i>) and mites; Deter feeding by aphids.</p>	<p>5 L of PURESPRAY FX in 250-500 L water (1-2% solution).</p> <p>Use sufficient spray volume, 1000-3000 L/ha, to ensure thorough crop coverage.</p>	<p>Maximum 6 applications during lifespan of plant (lifespan is 12-14 weeks from cutting to harvest).</p> <p>Only use lower application rate (1%) during budding/flowering.</p> <p>Re-application interval is 7-14 days.</p> <p>For powdery mildew, begin applications when conditions are favourable for disease.</p> <p>Do not apply on new seedlings or clones less than 2 weeks old without having determined sensitivity (phytotoxicity).</p>

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

SPRAY BUFFER ZONES:

A spray buffer zone is NOT required for uses with hand-held application equipment permitted on this label.

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop		Spray Buffer Zones (metres) Required for the Protection of:			
			Freshwater Habitat of Depths:		Estuarine/Marine Habitat of Depths:	
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m
Field sprayer	Hemp and cannabis		5	3	1	1
Airblast	Hemp and cannabis	Early growth stage	30	25	15	5
		Late growth stage	25	15	5	3

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The spray buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

ENVIRONMENTAL PRECAUTIONS:

Toxic to aquatic organisms. Observe spray buffer zones specified under DIRECTIONS FOR USE.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

USE PRECAUTIONS:

All horticultural oils interfere with or slow plant transpiration and respiration during the period of evaporation. DO NOT APPLY DURING PERIODS OF DROUGHT AND WHEN PLANTS EXHIBIT MOISTURE STRESS. Do not apply when temperatures are high (>30°C) or when plants are under heat or moisture stress.

See Compatibility section.

MIXING INSTRUCTIONS:

Before mixing, be certain the spray tank is clean. To mix add water to agitator level, start agitation and add the required amount of PURESPRAY FX. The mixture should turn white indicating good emulsification. After mixing, continue filling tank and do not stop agitation until tank has been emptied. When mixing oil combination sprays, add the chemical to the tank first, when the tank is one-quarter to one-half full of water. Mix thoroughly and add the PURESPRAY FX last, when the tank is almost full. For further instructions regarding mixing, compatibility, method of application, consult your Provincial Extension Office.

CAUTION: Do not use the spray mixture before the oil has been properly emulsified or if the emulsion “breaks”. Do not use this material if it does not emulsify.

COMPATIBILITY:

Do not apply micronized sulphur within 10 days of an oil application and do not apply oil within 14 days of an application of wettable or dusting sulphur.

The following list of chemicals/products represent some of the compounds that should not be used with, during or following an application of PURESPRAY FX, however this list is not exhaustive: Captan, Wettable Sulphur, dinitro compounds, fungicides such as folpet, and any product containing sulphur.

A period of 14 days must elapse before any of the following chemicals are used before or after an application of this product: chlorothalonil (Bravo), permethrin (Pounce).

Only use with other chemicals/products approved for use on cannabis and industrial hemp grown for cannabinoid extraction that are compatible with oil.

Do not tank mix with Parathion or Sevin.

STORAGE: Store this product away from food or feed. Keep container tightly closed and DO NOT allow water to be introduced to contents of this container. Do not store at temperatures below 0°C. Shake well prior to use.

DISPOSAL: Triple- or pressure-rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank. Follow provincial instructions for any required cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with municipal and provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for information on the clean-up of spills.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.