

PM-19

Reg # 65564-1

145

MAR 28 1996

Dr. John N. Simons  
JMS Flower Farms, Incorporated  
1105 25th Avenue  
Vero Beach, Florida 32960

Subject: Revised Labeling--Grasses Grown for Seed  
JMS Stylet-Oil  
EPA Registration Number 65564-1  
Your Amendment Application Dated January 23, 1996

Dear Dr. Simon:

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), sec. 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

DHE

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosure

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
(AND DOMESTIC ANIMALS)  
CAUTION**

Harmful if swallowed. If swallowed, do not induce vomiting. Call a physician. Avoid breathing vapors and spray mists.  
**Personal Protective Equipment:**  
 Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.  
 Applicators and other handlers must wear:  
 Long-sleeved shirt and long pants;  
 Chemical-resistant gloves, such as: Barrier laminate or nitrile rubber neoprene rubber or viton;  
 Shoes plus socks.  
 Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters. Apply this product only as specified on the label.

**STORAGE AND DISPOSAL**

**STORAGE:** - Keep drum tightly closed in storage to prevent entry of water. Do not freeze. Store drum on side. Roll drum before use if stored over-season.  
**DISPOSAL PROHIBITIONS:** - Do not contaminate water, food, or feed by storage and disposal. Open dumping is prohibited. Pesticide Disposal Wastes resulting from the use of this product may be disposed of on site or at approved waste disposal facility.  
 Container Disposal: triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.  
 General Consult Federal, State or Local disposal authorities for approved alternative procedures.

**METHOD OF APPLICATION**

For insects/plant virus: Spray at no less than 400 psi pressure using ceramic spray nozzles (ALBUZ® ATR, lilac color or their equivalent). Do not apply this product through any type of irrigation system (chemigation).  
 For fungicide use: Application system used for insects/plant virus is not required. However, maximum coverage and least potential for phytotoxicity results from use of this system. When using conventional application equipment, spray for coverage of upper leaf surface.  
 For greenhouse use: Apply recommended rate for control of the greenhouse pest. Spray at no less than 400 psi pressure using ceramic spray nozzles. Use ALBUZ® ATR, lilac color or their equivalent. Apply weekly or every two weeks depending on level of pest infestation. From 20-100 gallons of dilute spray emulsion per acre, depending on plant size. Spray to the point of runoff. Vary quantity of spray applied by changing the number of nozzles used, not by changing spray pressure or speed of sprayer.

**APPLICATION RATE**

From 25-150 gallons of diluted spray emulsion per acre depending on plant size. Thorough coverage is necessary. A tractor speed of 3.5-4 mph (6-7 kph) is recommended. Vary the quantity of spray applied by changing the number of nozzles used, not by changing either tractor speed or spray pressure.

**TIMING OF APPLICATIONS**

For use as an insecticide: Sprays should be initiated as soon as plants emerge. Plants should be sprayed weekly or twice weekly depending on level of infestation. Continue sprays through harvest.  
 For use as a fungicide: Spray weekly or once every two weeks depending on the level of disease pressure.  
 On Grapes: For powdery mildew - Make first application pre-bloom and continue sprays every ten days to three weeks depending on level of disease pressure. Use higher rate and shorter spray interval when disease conditions are severe. For Botrytis Bunch Rot - Initiate sprays at bloom and repeat prior to bunch closing and veraison. Final application at harvest if needed. Use higher rate when disease conditions are severe.  
 For use in mitigating aphid transmission of plant viruses: Initiate sprays when winged aphids first appear. Spray weekly or twice weekly depending on level of disease/vector pressure. For cucurbit, begin spraying when 50% of plants germinate. Cucurbits should be sprayed twice weekly during rapid growth phase.

**COMPATIBILITY INFORMATION**

All the following chemical names are the last ingredient. Local climatic conditions can adversely affect the persistence of oil on a crop. In areas where tank mixes, spray intervals have not been previously used, spray a small area with the recommended nozzles and spray pressure and wait several days. If sufficient time has not elapsed, phytotoxicity will normally occur in several days. Chemicals which are phytotoxic when used alone will be more phytotoxic when used with oil.  
**TANK MIX:** JMS System Oil® tank mixtures with those chemicals registered for use on the specific crop to be treated.  
 Also listing JMS System Oil® tank mixtures, observe all limitations, precautions and rate recommendations which appear on the label for the pesticides: azoxystrobin (Abamectin), benlate (Benlate), copper ammonium carbonate (CCN), copper hydroxide (Kocide), fenprophate (Asana XE), imazalapyr (Imagis), methamidophos (Meridian), metalaxyl (Rasmanol), and thiazoxypyr (Bastion).  
 (D) NOT TANK MIX JMS System Oil® with organophosphorus (OP) insecticides or No. 100 P. Wait at least ten days between any application and spray oil.  
 (D) NOT TANK MIX JMS System Oil® with highly colored nutrient spray materials (Nutri Leaf® 20-20-20; BayGreen). These materials can be sprayed separate from oil. JMS System Oil® is compatible with urea (up to 4 lb per 100 gal) and potassium sulfate (MgSO<sub>4</sub>) (1 lb per 100 gal).  
 (D) NOT TANK MIX the following chemicals: organophosphorus (OP) insecticides (Meridian), fungicides (Imagis), organotin compounds (Asana XE), organotin compounds (Asana XE), and organotin compounds (Asana XE).  
 (D) NOT TANK MIX the following chemicals: organophosphorus (OP) insecticides (Meridian), fungicides (Imagis), organotin compounds (Asana XE), organotin compounds (Asana XE), and organotin compounds (Asana XE).  
 (D) NOT TANK MIX the following chemicals with JMS System Oil® unless at least two weeks have elapsed between the use of oil and the pesticide: azoxystrobin (Abamectin), benlate (Benlate), copper ammonium carbonate (CCN), copper hydroxide (Kocide), fenprophate (Asana XE), imazalapyr (Imagis), methamidophos (Meridian), metalaxyl (Rasmanol), and thiazoxypyr (Bastion). Do not apply to a crop for 21 days. Do not apply oil for fourteen days following application.



**JMS Stylet-Oil®**

**ACTIVE INGREDIENT:**.....  
**PARAFFINIC OIL**.....  
**INERT INGREDIENTS**.....  
**TOTAL**.....  
 Unsulfonated Residue of The Oil.....  
 Flash Point.....

**KEEP OUT OF REACH OF CHILDREN  
CAUTION  
STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED - Do not induce vomiting. Call a physician.**  
**IF INHALED - Avoid breathing of vapors and spray mists.**  
**IF ON SKIN - Wash immediately with soap and water.**  
**IF IN EYES - Wash immediately with copious amount of water.**

**CONDITIONS OF SALE AND WARRANTY**

JMS Flower Farms, Inc., warrants that this product conforms to its chemical description and pose stated on the label only when used in accordance with label directions under normal conditions. JMS Flower Farms, Inc., MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OR MERCHANTABILITY FOR A PARTICULAR USE. Critical and unforeseeable factors beyond JMS Flower Farms, Inc.'s control may result in unintended consequences resulting from, but not limited to, weather conditions, presence of other pesticides, or property, the manner of use or application, or failure to follow label directions will be assumed. Handling, storage and use of the product by Buyer and User are beyond the control of JMS Flower Farms, Inc., and shall JMS Flower Farms, Inc., be held liable for consequential, special or indirect damages in product. The limit of JMS Flower Farms, Inc., liability shall be the purchase price for the quantity of product.

**JMS FLOWER FARMS, INC.**

1105 25th Avenue,

Vero Beach, FL 32960

(407) 567-9241 FAX (407) 567-9394

EPA Registration No. - 65564-1

EPA Establishment No. - 14774-FL-07 - 55206-M  
 Superscript corresponds to last letter of lot number.

**55 GALLONS NET • U.S. STANDARD**

**BEST AVAILABLE COPY**

295 /

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

MAR 28 1998

under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
registered under EPA Reg. No.  
65564-1



# JMS Flower Farms, Inc.

## JMS Stylet-Oil®

<b>ACTIVE INGREDIENT:</b> .....	<b>BY WEIGHT</b> .....
PARAFFINIC OIL.....	97.1%
INERT INGREDIENTS.....	2.9%
<b>TOTAL</b> .....	<b>100%</b>
Unulfonated Residue of The Oil.....	99.1%
Flash Point.....	345°F

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**  
 STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED** - Do not induce vomiting. Call a physician.  
**IF INHALED** - Avoid breathing of vapors and spray mist.  
**IF ON SKIN** - Wash immediately with soap and water  
**IF IN EYES** - Wash immediately with copious amounts of water.

**CONDITIONS OF SALE AND WARRANTY**

JMS Flower Farms, Inc. warrants that this product conforms to its chemical description and is reasonable for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. JMS Flower Farms, Inc. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Critical and unforfeitable factors beyond JMS Flower Farms, Inc.'s control prevent or eliminate all risks in connection with the use of this product. Risks such as crop injury, insect resistance or other unintended consequences resulting from, but not limited to, weather conditions, presence of other materials, drift to other crops or property, the manner of use or application, or failure to follow label directions will be assumed by the Buyer and User. Handling, storage and use of the product by Buyer and User are beyond the control of JMS Flower Farms, Inc. In no case shall JMS Flower Farms, Inc. be held liable for consequential, special or indirect damages resulting from the use of this product. The limit of JMS Flower Farms, Inc.'s liability shall be the purchase price for the quantity involved.

**JMS FLOWER FARMS, INC.**  
 1105 29th Avenue,  
 Vero Beach, FL 32940  
 (407) 567-9241 • FAX (407) 567-9394  
 EPA Registration No. 65564-1

EPA Establishment No. 14131-11-07-45206-MI-001  
 Superscript courtesy of DuPont

**55 GALLONS NET • U.S. STANDARD**

FORM 11-78 • 14-79

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS (AND DOMESTIC ANIMALS) **CAUTION**

If swallowed, do not induce vomiting. Call a physician. Avoid breathing vapors and

Equipment:  
 Equipment chemical-resistant to this product are listed below. If you want more options, follow category E on an EPA chemical-resistance category selection chart.  
 handlers must wear:

- Long-sleeved shirt and long pants;
  - Chemical-resistant gloves, such as: Barrier laminate or nitrile rubber neoprene rubber or viton;
  - Shoes plus socks.
- Instructions for cleaning/maintaining PPE. If not such instructions for washables, use. Keep and wash PPE separately from other laundry.

**ENVIRONMENTAL HAZARDS**  
 Do not apply directly to water, or to areas where surface water is present or to the mean high water mark. Do not contaminate water when disposing of equipment and product only as specified on the label.

#### STORAGE AND DISPOSAL

Do not store in garages to prevent entry of water. Do not freeze. Store drum on side. Roll drum to move.  
 Do not contaminate water. Feed or feed by storage and disposal. Open dumping is prohibited. Residue from the use of this product may be disposed of on site or at approved waste disposal facility.  
 Do not re-use. Recycle. Then offer for recycling or for treatment, or for treatment and disposal of in a tank or container approved by state and local authorities.  
 State or local disposal authorities for approved alternative procedures.

#### METHOD OF APPLICATION

Spray at no less than 400 psi pressure using vibrating spray nozzles (ALBUZ®ATR, Valmont). Do not apply this product through any type of irrigation system (chemigation) application system used for insect/plant virus is not required. However, maximum coverage for phytoxicity results from use of this system. When using conventional application average of upper leaf surface.  
 Apply recommended rate for control of the greenhouse pest. Spray at no less than 400 psi spray nozzle. Use ALBUZ®ATR, Valmont or their equivalent. Apply weekly or every on level of pest infestation. From 20,000 gallons of dilute spray emulsion per acre. Spray to the point of runoff. Vary quantity of spray applied by changing the number of vibrating spray pressure or speed of sprayer.

#### APPLICATION RATE

Diluted spray emulsion per acre depending on plant size. Thorough coverage is necessary. 4.4 to 4.8 gal per acre per acre. Vary the quantity of spray applied by changing vibrating spray pressure or speed of sprayer.

#### TIMING OF APPLICATIONS

Spray should be initiated as soon as plants emerge. Plants should be sprayed weekly for a total of 10 applications. Change spray through harvest.  
 Spray weekly or twice every two weeks depending on the level of disease pressure. For mite control. Make first application pre-bloom and continue sprays every ten days to end of harvest. Make a final application at end of harvest. For aphid control when disease condition is severe. Repeat prior to fruiting and repeat prior to fruiting and end of harvest if needed. The higher rate when disease condition is severe.  
 For transmission of plant viruses. Initiate sprays when winged aphids first appear weekly depending on level of infestation. For mealybugs, begin spraying when they first appear. For scale, spray at first appearance. For scale, spray at first appearance.

#### COMPATIBILITY INFORMATION

This product is compatible with all other pesticides applied to the same crop of all on a regular basis. No phytotoxicity or other adverse effects are known with the recommended spray rates. All applications should be made under the same conditions of use as the recommended rates. Do not apply within 7 days of harvest or 7 days before planting. Do not apply within 7 days of harvest or 7 days before planting.  
 Do not apply to plants that are stressed or injured. Do not apply to plants that are stressed or injured.  
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**PRE HARVEST INTERVAL**  
 No interval required.  
**ADDITIONAL COMMENTS ON SPRAYING**  
 Do not spray on wet foliage. Do not spray if temperature is below 55°F (13°C) or when plants are under heat or moisture stress.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribes, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.  
 Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.  
 PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:  
 Coveralls;  
 Chemical-resistant gloves, such as: Barrier laminate or nitrile rubber or neoprene rubber or viton;  
 Shoes plus socks.

**FOR PLANT VIRUS USE:**

Crop	Plant Viruses Controlled	Quarts JMS Stylet-Oil® per 100 gal water
Pepper	Potato virus Y, tobacco etch virus, pepper mottle virus	3 QTS
Tomato	Potato virus Y, tobacco etch virus	
Potato Curcurbits	Potato virus Y, potato leafroll virus Papaya ringspot virus, watermelon mosaic virus 2, cucumber mosaic virus, zucchini yellow mosaic virus	

**OR FUNGICIDE USE:**

Crop	Plant Diseases Controlled	Rate JMS Stylet-Oil® per 100 gal water
Beans Caneberries Curcurbits	Rust Powdery Mildew, rust Alternaria leafspot, Gummy stem blight, Powdery mildew	3 QTS
Mango Okra Roses Sugar beets Strawberries	Powdery mildew Powdery mildew Black spot, Powdery mildew Cercospora	
Grapes	Powdery Mildew, botrytis	

Use 1 to 2 Gal

**FOR INSECTS:**

Crop	Insects Controlled	Quarts JMS Stylet-Oil® per 100 gal water
Asparagus Beans Beets Cabbage Caneberries Cauliflower Celery Cotton Cucumber Field Corn Sweet Corn Eggplant Grapes Lettuce Mango Melons Peppers Potatoes Pumpkins Strawberries Sugarcane Squash Tobacco Tomatoes	Leafminers, mites Whiteflies, leafminers, mites Leafminers, mites Whiteflies, leafminers, mites Mites Whiteflies, leafminers, mites Whiteflies, leafminers, mites Whiteflies, leafminers, mites Whiteflies, leafminers, mites Earworms, Fall Armyworm, Corn Rootworm Earworms, Fall Armyworm, Corn Rootworm Whiteflies, leafminers, mites Whiteflies, leafminers, mites Whiteflies, leafminers, mites Mites Whiteflies, leafminers, mites Whiteflies, leafminers, mites Whiteflies, leafminers, mites Whiteflies, leafminers, mites Whiteflies, leafminers, mites Mites, leafminers Mites, Leafminers, leafhoppers Whiteflies, leafminers, mites Whiteflies, leafminers, mites Whiteflies, leafminers, mites	3 QTS

**FOR ORNAMENTAL USE:**

Crop	Insects Controlled	Rate JMS Stylet-Oil® per 100 gal water
Chrysanthemum Fuchsia Geranium Poinsettia Roses	Leafminers Mealybugs Whiteflies Mites Aphids	3 QTS

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	European Red Mite	2	Green Tip to Delayed Dormant
	Rust Mite	1 - 1.5	Summer Use
	Rust Mite	2	Delayed Dormant
	San Jose Scale	2	Delayed Dormant
	San Jose Scale	1 - 1.5	Summer Use
	Scurly Scale	3	Delayed Dormant
Cherries	Fruit Tree Leaf Roller	3	Dormant
	Mites, Scale	3	Summer
Nectarines	Fruit Tree Leaf Roller	2.5	Green Tip
	Mites, Scale	3	Dormant
	Mites, Scale	1	Summer Use
Olives	Scale, Mites	1.5	Prebloom to Postbloom Buckshot
Pears	Fruit Tree Leaf Roller	3	Dormant
	Pear Leaf Blister Mite	3	Dormant
	Pear Psylla	2	Late Dormant
	Red Spider Mites	1	Summer Use
	San Jose & Italian Pear Scale (Summer Forms)	1 - 1.5	Summer Use
Pecans	Obscure Scale	3	Dormant
Peaches	Cottony Peach Scale, Mites	3	Dormant
	Mites, Scale	1	Summer Use
Plums & Prunes	European Red Mite	2	Dormant to Delayed Dormant
	European Fruit Lecanium Scale	2	1/2" Green
	Mites, Scale	1	Summer Use
Walnuts	Scale, Mites	1 - 1.5	Delayed Dormant

Crop	Plant Diseases Controlled	Rate JMS Stylet-Oil® per 100 gal water	Time of Application (Stage of Development)
Apples	Powdery Mildew	1 - 2.5	Apply at tight cluster and continue through second cover spray.
Cherries	Powdery Mildew	1 - 2.5	Apply at petal fall and continue through harvest Repeat applications every 2-3 weeks as needed.
Pears	Powdery Mildew	1 - 2.5	Apply at tight cluster and continue through second cover spray.

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	Rust Mite	1 - 1.5	Summer Use
	Rust Mite	2	Delayed Dormant
	San Jose Scale	2	Delayed Dormant
	San Jose Scale	1 - 1.5	Summer Use
	Scurly Scale	3	Delayed Dormant
Cherries	Fruit Tree Leaf Roller	3	Dormant
	Mites, Scale	3	Summer
Nectarines	Fruit Tree Leaf Roller	2.5	Green Tip
	Mites, Scale	3	Dormant
	Mites, Scale	1	Summer Use
Olives	Scale, Mites	1.5	Prebloom to Postbloom Buckshot
Pears	Fruit Tree Leaf Roller	3	Dormant
	Pear Leaf Blister Mite	3	Dormant
	Pear Psylla	2	Late Dormant
	Red Spider Mites	1	Summer Use
	San Jose & Italian Pear Scale (Summer Forms)	1 - 1.5	Summer Use
Pecans	Obscure Scale	3	Dormant
Peaches	Cottony Peach Scale, Mites	3	Dormant
	Mites, Scale	1	Summer Use
Plums & Prunes	European Red Mite	2	Dormant to Delayed Dormant
	European Fruit Lecanium Scale	2	1/2" Green
	Mites, Scale	1	Summer Use
Walnuts	Scale, Mites	1 - 1.5	Delayed Dormant

Crop	Plant Diseases Controlled	Rate JMS Stylet-Oil® per 100 gal water	Time of Application (Stage of Development)
Apples	Powdery Mildew	1 - 2.5	Apply at tight cluster and continue through second cover spray.
Cherries	Powdery Mildew	1 - 2.5	Apply at petal fall and continue through harvest. Repeat applications every 2-3 weeks as needed.
Pears	Powdery Mildew	1 - 2.5	Apply at tight cluster and continue through second cover spray.

FOR GRASSES GROWN FOR SEED:

Crop	Plant Diseases Controlled	Rate JMS Stylet-Oil® per 100 gal water	Time of Application (Stage of Development)
Perennial ryegrass Fescues Brome grass orchardgrass	Rust, Powdery mildew	1-2 Gallons	With ground equipment, apply for thorough coverage when powdery mildew and rust pustules are noticeable and increasing in number. In the spring or early fall, begin at 11-14 day intervals. Use higher rate under severe disease pressure.