



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

February 24, 2026

Kelly Wall Powell
Senior Consultant
Brandt Consolidated, Inc
c/o Compliance Services International
7501 Bridgeport Way West
Lakewood, WA 94899

Subject: Label Amendment - Registration Review Mitigation for Aliphatic Petroleum Solvent
Product Name: Brandt STS Horticultural Oil
EPA Registration Number: 48813-1
Case Number: 478200
Application Dates: February 11, 2021

Dear Kelly Wall Powell:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Aliphatic Petroleum Solvent Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Nick Barnett by phone at 513-569-7643, or via email at Barnett.nicholas@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Julie R. Javier". The signature is written in a cursive style with a large, looped initial "J".

Julie Javier, Team Leader
Risk Mitigation and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

ENCLOSURE: Stamped label

MASTER LABEL

BRANDT STS HORTICULTURAL OIL

Alternate Brand Names: TriTech™; TresOil™

**Spray Oil Emulsion
Fungicide, Insecticide and Miticide**

ACTIVE INGREDIENT:

Mineral Oil*80.0%

OTHER INGREDIENTS:.....20.0%

TOTAL:.....100.0%

*Contains petroleum distillates.

Unsulfonated Residue of Mineral Oil92.0% min.

KEEP OUT OF REACH OF CHILDREN

CAUTION

Sublabel A - Commercial/Agricultural Uses (Subject to the Worker Protection Standard)

Sublabel B - Non-Commercial/Residential Uses (Not Subject to the Worker Protection Standard)

EPA Reg. No. 48813-1

EPA Est. No. 48813-IL-1

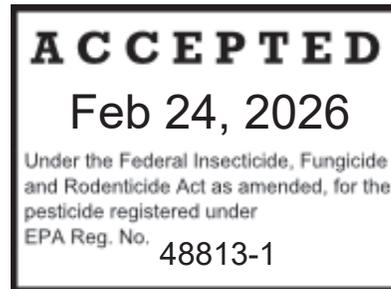
Manufactured By:

BRANDT CONSOLIDATED, INC.

2935 South Koke Mill Road

Springfield, IL 62711

(800) 442-9821



[Sublabel A – Commercial/Agricultural Uses]

BRANDT STS HORTICULTURAL OIL

Spray Oil Emulsion
Fungicide, Insecticide and Miticide

FOR ORGANIC PRODUCTION



ACTIVE INGREDIENT:

Mineral Oil* 80.0%

OTHER INGREDIENTS: 20.0%

TOTAL: 100.0%

*Contains petroleum distillates.

Unulfonated Residue of Mineral Oil 92.0% min.

EPA Reg. No. 48813-1

EPA Est. No. 48813-IL-1

NET CONTENTS: 2.5 Gallons, 5 Gallons, 30 Gallons, 55 Gallons & 250 Gallons

Manufactured By:

BRANDT CONSOLIDATED, INC.

2935 South Koke Mill Road

Springfield, IL 62711

(800) 442-9821

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give ANY liquid to the person. • Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none"> • 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 center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> • 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 center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
Contains petroleum distillate – do not induce vomiting since vomiting may pose aspiration pneumonia hazard.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate, nitrile rubber, neoprene rubber or viton. If you want more options, follow the instructions for category (G) on the EPA chemical resistance category selection chart.

Mixers, loaders, applicators, flaggers, and handlers must wear:

- Long-sleeve shirt and long pants;
- Chemical-resistant gloves made of Barrier Laminate or Viton; and
- Shoes plus socks.

User Safety Requirements

Follow manufacturer's instructions for clean/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. **Do not** reuse them.

ENGINEERING CONTROLS

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. **Do not** apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark. **Do not** contaminate water when disposing of equipment wash water or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Avoid drift or run off into storm drains, drainage ditches, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to maximize the chances that wind, or rain will not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

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 Tribe, consult the agency responsible for pesticide regulation.

This product may be used on tree crops, vegetables (row crop and field crop), greenhouse vegetables, small fruits, shade trees, shrubs, ornamentals, flower and foliage plants, Christmas trees, and greenhouse ornamentals.

Do not apply this product through any type of irrigation system (i.e., via chemigation).

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, forest, 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 intervals. 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 made of any waterproof material, and shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and greenhouses.

Do not enter or allow others to enter until sprays have dried.

PRODUCT INFORMATION

This insecticide's mode of action is through suffocation of eggs, larvae and nymphs of insects and mites and adults of soft-bodied insects. This mode of action necessitates total spray coverage. As a fungicide this product interferes with the attachment of the pathogen to the host and acts as a suffocant. Use enough spray solution to completely penetrate the leaf canopy and cover both top and bottom of all of the leaves until wet without significant runoff. Most mature trees will require 20 to 500 gallons of spray solution per acre although citrus trees may require 15 to 1000 gallons of spray solution per acre. Row crops generally require 20 to 100 gallons of spray solution per acre. Greenhouse Use - Apply at the rates of 20 to 100 gallons of spray solution per acre for control of the greenhouse pest. (Be sure to check with your equipment and local recommendations.)

This product may be used to control mite and insect pests in the egg stage, including: spider mites, eriophyid mites, armored scale, soft scale, mealybugs, psyllids, whiteflies, aphids, leafrollers, leaf tiers, webworms, cankerworms, plant bugs, leafhoppers and adelgids. This product will kill other immature insect forms if the spray covers the insect. See APPLICATION RATES tables for species claimed to be controlled on specific types of plants. Use this product only on the types of plants identified in the APPLICATIONS RATES tables.

USE PRECAUTIONS AND RESTRICTIONS

All horticultural oils interfere with or slow plant transpiration and respiration during periods of evaporation. **DO NOT** apply during periods of drought or when plants exhibit moisture stress.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.

- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Boom-less Ground Applications

- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

Controlling Droplet Size - Aircraft

- Adjust Nozzles - Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT – Ground Boom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift. When applying aerially to crops, do not release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed.

AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

COMPATIBILITY

This product is compatible with most commonly used insecticides and fungicides. Read and follow all precautions and limitations on labeling of all products used in tank mixtures. **DO NOT** use in combination with or immediately before or after spraying with fungicides such as captan, folpet, oxythiinox (Morestan) or any product containing sulfur. Also **do not** use with Carbaryl (Sevin) or dimethoate (Cygon). **Do not** use with any product whose label recommends the use of no oils. **Do not** use in combination with NPK foliar fertilizer applications.

TIMING THE TREATMENT

You must determine the precise timing to fit local growth and climatic conditions. This product can be applied up to day of harvest.

APPLICATION INSTRUCTIONS

Use enough spray solution to completely penetrate the leaf canopy and cover both top and bottom of all leaves until wet without significant runoff. Most mature trees will require 20 to 500 gallons of spray solution per acre. although citrus trees may require 15 to 1000 gallons of spray solution per acre. Row crops generally require 20 to 100 gallons of spray solution per acre. (Be sure to check with the instructions for the equipment used and with local Agricultural Extension agents.) Aerial application - Apply a minimum of 20 gallons of spray solution per acre.

MIXING DIRECTIONS

Add sufficient water to the mixing tank to allow proper agitation. Add the correct amount of this product to tank. Maintain agitation until solution is used. If other pesticides are to be added, do so after this product has been thoroughly mixed.

APPLICATION RATES

TREE CROPS			
CROP	PEST	APPLICATION RATE Gallons of BRANDT STS HORTICULTURAL OIL per 100 Gallons of Water	TIME OF APPLICATION
Almond Apricot Cherry Plum Prune	Aphids Fruit Tree Leaf Roller Mites Scales Whiteflies	1-2	As Needed
Apple (all varieties)	Aphids Bugs (including Apple Red Bug) Fruit Tree Leaf Roller Mites (including European Red Mite) Powdery Mildew Scales (Hard, Soft, Scurfy) Whiteflies	1-2	As Needed
Avocado Bananas Cocoa Coffee Macadamia Papaya	Bugs Leafhoppers Scales Sigatoka Leafroller Thrips	1-2	As Needed
Citrus*	Blackfly Greasy Spot Mites Scales (Glover, Chaff, Purple, Yellow, Red, Snow, Brown and California) Sooty Mold Whiteflies	1-2	Fall Early Winter Post-bloom March-April
Hops	Aphids Leaf Roller Mites Powdery Mildew Scales Whiteflies	1-2	As Needed
Nectarines Peach Pecan	Aphids Fruit Tree Leaf Roller Mites Scales Whiteflies	1-2	As Needed
Pear (all varieties)	Aphids Fruit Tree Leaf Roller	1-2	As Needed

	Mites (including Pear leaf Blister Mite) Pear Psylla Powdery Mildew Scales Whiteflies		
Pineapple	Aphids Mealybugs Mites Scales	1-2	As Needed
Fig Kiwi Olive Pistachio Walnut**	Aphids Mites Scales	1-2	As Needed
<p>*Citrus - Oils applied after October may increase cold damage to trees; applied in August and September may affect solids content. retard color. DO NOT exceed the maximum rate for citrus in Texas and Florida of 159 pounds of active ingredient per acre (in a maximum volume of 1500 gallons of spray mix per acre). DO NOT exceed the maximum rate for citrus in California of 212 pounds of active ingredient per acre (in a maximum volume of 2000 gallons of spray mix per acre).</p> <p>**Walnut - Apply late spring to mid-summer only. Do not apply after husk split.</p>			

VEGETABLES (ROW CROP and FIELD CROP)			
CROP	PEST	APPLICATION RATE Gallons of BRANDT STS HORTICULTURAL OIL per 100 Gallons of Water	TIME OF APPLICATION
Asparagus Bean Cucumber Eggplant Melon Peanut Pepper Pumpkin Radish Squash Tomato	Aphids Beetle larvae Leafhoppers Leaf Miners Mites Powdery Mildew Thrips Whiteflies	1-2	As Needed
Cabbage Cauliflower Celery Cole Crops Lettuce Onion	Aphids Leafhopper Leaf Miners Loopers Mites Plant Bugs Thrips Whiteflies	1-2	As Needed
Corn (Sweet, Field, Seed) Popcorn Sugar Beet	Aphids Leaf Miners Mites Whiteflies	1-2	As Needed
Cotton	Aphids Bollworm eggs and larvae Leafhoppers Loopers	1-2	As Needed

	Mites Plant Bugs Thrips Whiteflies		
Grasses (Grown for Seed)	Mites Powdery Mildew Rust	1-2	As Needed
Potato Sweet Potato	Aphids Leaf Miners Mites Whiteflies	1-2	As Needed
Tobacco	Leaf Miners Mites Whiteflies	1-2	As Needed

GREENHOUSE VEGETABLES			
CROP	PEST	APPLICATION RATE Gallons of BRANDT STS HORTICULTURAL OIL per 100 Gallons of Water	TIME OF APPLICATION
Asparagus Bean Cucumber Eggplant Melon Peanut Pepper Pumpkin Radish Squash Tomato	Aphids Beetle larvae Leafhoppers Leaf Miners Mites Powdery Mildew Thrips Whiteflies	1-2	As Needed
Cabbage Cauliflower Celery Cole Crops Lettuce Onion	Aphids Leafhopper Leaf Miners Loopers Mites Plant Bugs Thrips Whiteflies	1-2	As Needed
Corn (Sweet. Field, Seed) Popcorn Sugar Beet	Aphids Leaf Miners Mites Whiteflies	1-2	As Needed
Potato Sweet Potato	Aphids Leaf Miners Mites Whiteflies	1-2	As Needed

SMALL FRUITS			
CROP	PEST	APPLICATION RATE Gallons of BRANDT STS HORTICULTURAL OIL per 100 Gallons of Water	TIME OF APPLICATION
Bushberries Caneberries Strawberry	Aphids Mites Powdery Mildew Rust Sawfly Scales Whiteflies	1-2	As Needed
Grape	Botrytis Leafhoppers Leaf Miners Mealybugs Mites Powdery Mildew Scales Whiteflies	1-2	As Needed

SHADE TREES, SHRUBS, ORNAMENTALS, FLOWER AND FOLIAGE PLANTS, CHRISTMAS TREES			
CROP	PEST	APPLICATION RATE Gallons of BRANDT STS HORTICULTURAL OIL per 100 Gallons of Water	TIME OF APPLICATION
Conifers Flower, Foliage and Bedding Plants Ornamentals* Shade Trees Shrubs Christmas Trees*	Aphids Black Spot Leaf Miners Mites Plant Bugs Powdery Mildew <i>Psyllids</i> Rust Sawfly Scales Whiteflies	1-2	As Needed

***ORNAMENTALS, CHRISTMAS TREES**

Oil might remove the glaucous (blue) bloom from such evergreens as Colorado Blue Spruce and Koster Spruce. Use with caution and reduced dosage for summer application on Japanese Red Maple, Amur Maple and Black Walnut. Use with caution and reduced dosage for dormant application on Sugar Maple and Redbud.

GREENHOUSE ORNAMENTALS			
CROP	PEST	APPLICATION RATE Gallons of BRANDT STS HORTICULTURAL OIL per 100 Gallons of Water	TIME OF APPLICATION
Azalea Camellia Carnation Fuchsia Gladiola Hibiscus Iris Lily Mums Orchids Poinsettia Rhododendron Rose Vines	Aphids Fungus Gnat Leaf Miners Mealy Bugs Mites Powdery Mildew Rust Scales Thrips Whiteflies	1-2	As Needed

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in a cool, dry, locked area out of the reach of children. Keep container tightly closed in storage to prevent entry of water.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

For liquid dilutable formulations in 274 gallon totes: (Waiting for finalized required statements for bulk truck tanks and railcars - requesting waiver)

CONTAINER HANDLING/DISPOSAL: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

For liquid dilutable formulations in 5 gallon or larger nonrefillable containers:

CONTAINER HANDLING/DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure 2 more times. Offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

For liquid dilutable formulations in nonrefillable containers small enough to shake (i.e., with capacities equal to or less than 5 gallons):

CONTAINER HANDLING/DISPOSAL: Nonrefillable container. Do not reuse or refill this container.

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/2 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

BATCH NO. _____

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The Directions for Use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of the product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use of application, all of which are beyond the control of Brandt Consolidated, Inc. To the extent permitted by applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Brandt Consolidated, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Brandt Consolidated, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Brandt Consolidated, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Brandt Consolidated, Inc.'s election, the replacement of product.

[Sublabel B – Non-Commercial/Residential Use]

BRANDT STS HORTICULTURAL OIL

Spray Oil Emulsion
Fungicide, Insecticide and Miticide

FOR ORGANIC RESIDENTIAL GARDENING



ORNAMENTALS • VEGETABLES • CITRUS • SMALL FRUITS • TREE FRUITS & NUTS
Controls Aphids, Mites, Scales, Whiteflies and Other Soft-Bodied Insects

For use only in Home Fruit and Vegetable Gardens, Home Greenhouses, Interior Plantscapes,
Ornamental Gardens, Parks, Golf Courses and Public or Private Grounds

ACTIVE INGREDIENT:

Mineral Oil* 80.0%

OTHER INGREDIENTS: 20.0%

TOTAL: 100.0%

*Contains petroleum distillates.

Unulfonated Residue of Mineral Oil 92.0% min.

EPA Reg. No. 48813-1

EPA Est. No. 48813-IL-1

NET CONTENTS: 1 Pint, 1 Quart, 1 Gallon

Manufactured By:

BRANDT CONSOLIDATED, INC.

2935 South Koke Mill Road

Springfield, IL 62711

(800) 442-9821

KEEP OUT OF REACH OF CHILDREN

CAUTION

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IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give ANY liquid to the person. • Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none"> • 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 center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> • 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 center or doctor for further treatment advice.
HOT LINE NUMBER	

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.

NOTE TO PHYSICIAN

Contains petroleum distillate – do not induce vomiting since vomiting may pose aspiration pneumonia hazard.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear long-sleeved shirt, long pants. Shoes, socks, and chemical-resistant gloves made of Barrier Laminate or Viton. Wash thoroughly with soap and water after handling. Remove contaminated clothes and wash them before reuse. Keep all persons (other than applicator) and pets out of the area until sprays have dried.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark. Do not contaminate water when disposing of equipment wash water or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Avoid drift or run off into storm drains, drainage ditches, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to maximize the chances that wind, or rain will not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Apply this product only as specified on the label.

Do not allow people (other than applicator) or pets on treatment areas during application. **Do not** enter treatment areas until spray has dried. Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift.

PRODUCT INFORMATION

This insecticide's mode of action is through suffocation of eggs, larvae and nymphs of insects and mites and adults of soft-bodied insects. This mode of action necessitates total spray coverage. As a fungicide this product interferes with the attachment of the pathogen to the host and acts as a suffocant.

This product may be used to control mite and insect pests in the egg stage, including: spider mites, eriophyid mites, armored scale, soft scale, mealybugs, psyllids, whiteflies, aphids, leafrollers, leaf tiers, webworms, cankerworms, plant bugs, leafhoppers and adelgids. This product will kill other immature insect forms if the spray covers the insect. See APPLICATION RATES tables for species claimed to be controlled on specific types of plants. Use this product only on the types of plants identified in the APPLICATIONS RATES tables. **USE PRECAUTIONS**

All horticultural oils interfere with or slow plant transpiration and respiration during periods of evaporation. **DO NOT** apply during periods of drought or when plants exhibit moisture stress.

SPRAY DRIFT ADVISORIES

Handheld Technology Applications:

Take precautions to minimize spray drift.

TIMING THE TREATMENT

You must determine the precise timing to fit local growth and climatic conditions. This product can be applied up to day of harvest.

MIXING DIRECTIONS

This product mixes readily with water. A pump up sprayer or trigger sprayer may be used. Fill the sprayer half full with water, add the appropriate rate of this product and continue filling the sprayer. Spray formulation should be mixed well and often.

APPLICATION INSTRUCTIONS

Use enough spray solution to completely penetrate the leaf canopy and cover both top and bottom of all of the leaves until wet without significant runoff. Most mature standard trees will require 3 to 4 gallons of spray solution per tree; although citrus trees may require 8 to 15 gallons of spray solution per tree. Fruits, Vegetables, and ornamentals generally require 1 to 2 gallons of spray solution per 1,000 sq. ft.

APPLICATION RATES

TREE FRUITS & NUTS			
CROP	PEST	APPLICATION RATE Tbsp. of BRANDT STS HORTICULTURAL OIL per 1 Gallon of Water	TIME OF APPLICATION
Almond Apricot Cherry Plum Prune	Aphids Fruit Tree Leaf Roller Mites Scales Whiteflies	2.5-5.0	As Needed
Apple (all varieties)	Aphids Bugs (including Apple Red Bug) Fruit Tree Leaf Roller Mites (including European Red Mite) Powdery Mildew Scales (Hard, Soft, Scurfy) Whiteflies	2.5-5.0	As Needed
Avocado Bananas Cocoa Coffee Macadamia Papaya	Bugs Leafhoppers Scales Sigatoka Leafroller Thrips	2.5-5.0	As Needed
Citrus*	Blackfly Greasy Spot Mites Scales (Glover, Chaff, Purple, Yellow, Red, Snow, Brown and California) Sooty Mold Whiteflies	2.5-5.0	As Needed
Nectarines Peach Pecan	Aphids Fruit Tree Leaf Roller Mites Scales Whiteflies	2.5-5.0	As Needed
Pear (all varieties)	Aphids Fruit Tree Leaf Roller Mites (including Pear leaf Blister Mite) Pear Psylla Powdery Mildew Scales Whiteflies	2.5-5.0	As Needed
Pineapple	Aphids	2.5-5.0	As Needed

	Mealybugs Mites Scales		
Fig Kiwi Olive Pistachio Walnut**	Aphids Mites Scales	2.5-5.0	As Needed
*Citrus – Oils applied after October may increase cold damage to trees; applied in August and September may affect solids content, retard color. The maximum application rate for citrus in Texas and Florida is 159 pounds active ingredient per acre (maximum 1500 gallons of spray mix per acre), and, in California, 212 pounds active ingredient per acre (maximum 2000 gallons of spray mix per acre).			
**Walnut – Apply late spring to mid-summer only. Do not apply after husk split.			

VEGETABLES (RESIDENTIAL GARDEN AND HOME GREENHOUSE)			
CROP	PEST	APPLICATION RATE Tbsp. of BRANDT STS HORTICULTURAL OIL per 1 Gallon of Water	TIME OF APPLICATION
Asparagus Bean Cucumber Eggplant Melon Peanut Pepper Pumpkin Radish Squash Tomato	Aphids Beetle larvae Leafhoppers Leaf Miners Mites Powdery Mildew Thrips Whiteflies	2.5-5.0	As Needed
Cabbage Cauliflower Celery Cole Crops Lettuce Onion	Aphids Leafhoppers Leaf Miners Loopers Mites Plant Bugs Thrips Whiteflies	2.5-5.0	As Needed
Corn (Sweet) Popcorn Sugar Beet	Aphids Leaf Miners Mites Whiteflies	2.5-5.0	As Needed
Potato Sweet Potato	Aphids Leaf Miners Mites Whiteflies	2.5-5.0	As Needed

SMALL FRUITS			
CROP	PEST	APPLICATION RATE Tbsp. of BRANDT STS HORTICULTURAL OIL per 1 Gallon of Water	TIME OF APPLICATION
Bushberries (Blueberry, Currant, Elderberry, Gooseberry, Huckleberry) Caneberries (Blackberry, Loganberry, Raspberry) Strawberry	Aphids Mites Powdery Mildew Rust Sawfly Scales Whiteflies	2.5-5.0	As Needed
Grape	Botrytis Leafhoppers Leaf Miners Mealybugs Mites Powdery Mildew Scales Whiteflies	2.5-5.0	As Needed

SHADE TREES, SHRUBS, ORNAMENTALS, FLOWER AND FOLIAGE PLANTS			
USE SITES	PEST	APPLICATION RATE Tbsp. of BRANDT STS HORTICULTURAL OIL per 1 Gallon of Water	TIME OF APPLICATION
Conifers Flower, Foliage and Bedding Plants Ornamentals* Shade Trees Shrubs	Aphids Black Spot Leaf Miners Mites Plant Bugs Powdery Mildew <i>Psyllids</i> Rust Sawfly Scales Whiteflies	2.5-5.0	As Needed

***ORNAMENTAL PLANTS**

Oil might remove the glaucous (blue) bloom from such evergreens as Colorado Blue Spruce and Koster Spruce. Use with caution and reduced dosage for summer application on Japanese Red Maple, Amur Maple and Black Walnut. Use with caution and reduced dosage for dormant application on Sugar Maple and Redbud.

HOME GREENHOUSE ORNAMENTALS			
USE SITES	PEST	APPLICATION RATE Tbsp. of BRANDT STS HORTICULTURAL OIL per 1 Gallon of Water	TIME OF APPLICATION
Azalea Camellia Carnation Fuchsia Gladiola Hibiscus Iris Lily Mums Orchids Poinsettia Rhododendron Rose Vines	Aphids Fungus Gnat Leaf Miners Mealy Bugs Mites Powdery Mildew Rust Scales Thrips Whiteflies	2.5-5.0	As Needed

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in a secure, locked area away from pets and out of the reach of children. Store only in original container and place in a locked storage area.

CONTAINER/PESTICIDE DISPOSAL:

If empty: Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

BATCH NO. _____

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The Directions for Use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of the product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use of application, all of which are beyond the control of Brandt Consolidated, Inc. To the extent permitted by applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Brandt Consolidated, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Brandt Consolidated, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Brandt Consolidated, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Brandt Consolidated, Inc.'s election, the replacement of product.

[OPTIONAL MARKETING STATEMENTS for Non-commercial/Residential Use portion of Master

Label]

- [A Paraffinic Horticultural Oil
- Controls Whiteflies
- Controls Whiteflies & Other Soft Bodied Insects Listed on This Label
- Year-Round Usage - Dormant and Growing Season]

[OPTIONAL MIXING DIRECTIONS for Non-commercial/Residential Use portion of Master Label]

MIXING DIRECTIONS

This product mixes readily with water. A pump-up sprayer, trigger sprayer or the provided ready-to-spray container may be used. If this product comes packaged in a ready-to-spray container, see the "Ready-To-Spray Container Directions" below. **CAUTION:** The ready-to-use sprayer is for outdoor uses only.

Pump-up or Trigger Sprayer Mixing Directions: Fill the sprayer half full with water, add the appropriate rate of this product and continue filling the sprayer. Spray formulation should be mixed well and often.

Ready-To-Spray Container Directions: These directions only apply if this product is packaged in a ready-to-spray container. Shake container well before getting started.

1. Before you start, the blue flow switch should be in the "OFF" position. and the red flow switch should be in the up, "CLOSED" position.
2. Shake container well and attach it to your garden hose, while holding sprayer at waist level and pointing in a direction away from face and body.
3. Turn on the water from the faucet.
4. When you are ready to spray, turn the blue flow switch to "On" position; turn red flow switch to the forward, "OPEN" position: and begin spraying.
5. When you are finished spraying or if you have to stop spraying at any time, turn the blue flow switch back to the "OFF" position and the red flow switch to the "CLOSED" position.
6. Turn off the water at the faucet.
7. Remove the container from the garden hose; then rinse thoroughly and store according Storage instructions.

[Insert Hose-End Sprayer Graphic]

[OPTIONAL 2nd TYPE of Ready-To-Spray Container Directions for Non-Commercial/Residential Use portion of Master label.]

Ready-To-Spray Container Directions: These directions only apply if this product is packaged in a ready-to-spray container. Shake container well before getting started.

1. Make sure knob is twisted fully clockwise to OFF position. Shake well before attaching to hose.
2. Turn Product Control Button clockwise until its point aligns with triangle; then push all the way in. Avoid squeezing bottle.
3. Turn water on at faucet, aim nozzle toward area to be sprayed and turn knob counter clockwise to begin spraying.
4. When finished, push Product Control Button to OFF position from opposite side. Return knob and faucet to OFF position.
5. Discharge water pressure by turning knob ON and OFF again.
6. Turn Product Control Button counter clockwise away from triangle to prevent accidental discharge.
7. Rinse container thoroughly and store according to Storage Instructions.

[OPTIONAL 3rd TYPE of Ready-To-Spray Container Directions for Non-Commercial/Residential Use portion of Master label.]

HOW TO USE THE READY-TO-SPRAY SYSTEM

CONNECT

1. Shake well before using.
2. Connect sprayer to hose.
3. Turn on water.

SPRAY

1. Before spraying, point nozzle in the direction you want to spray.
2. [Bend small plastic tab back and] Turn knob [clockwise] to ON position.
3. Begin spraying.

FINISH

1. To stop spraying, [turn knob counter clockwise] to OFF position.
2. Turn off water.
3. Relieve water pressure by [bending plastic tab back and] turning knob to ON position until water slows to a drip. Then turn knob back to OFF position.
4. Disconnect sprayer from hose.

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