TS601 Generic 4x4 Booklet.pdf 1 2/2/26 3:22 PM

BLEED LIMIT
1/8" OUT FROM TRIM

Layout Template

PLEASE PLACE ART ON DESIGNATED LAYER

LIVE AREA LIMIT
1/8" IN FROM TRIM

DIE
TRIM

4"

crop to be treated to ensure that a phytotoxic response will not occur as a result of application.
TS601 is compatible with many commonly used pesticides, but has not been fully evaluated with all of these.

APPLICATION INSTRUCTIONS
TS601 as a seed treatment may be applied as a water-based slurry alone or with other registered seed treatment insecticides and fungicides through standard slurry or mist commercial seed treatment equipment. Do not apply this product through any other type of irrigation system, chemigation, increase rates or use TS601 in a program with other registered fungicides for seed treatment.
See application rate tables for more detailed application instructions.
SEED BAG LABEL REQUIREMENTS
The Federal Seed Act requires that bags containing seeds treated with this product shall be labeled with the following information:
- This seed has been treated with Methylenibumon popuil strain NL50089.
- Do not use or market this seed for food, feed, or oil production. Do not use for crop oil.
- User is responsible for ensuring that the seed bag meets all requirements under the Federal Seed Act.

APPLICATION RATE TABLES:

Soybean - Foliar and Soil Application Methods	
Target Diseases	**Rate (oz/acre)**
Pythium damping off Pythium spp. **Rhizoctonia root rot** Rhizoctonia spp. **Sudden Death Syndrome** Fusarium virguliforme **White mold** Sclerotinia sclerotiorum **Phytophthora root rot** Phytophthora spp.	0.38-0.42

Soybean - Seed Treatment: liquid, dry and planter box application methods	
Target Diseases	**Rate (oz per unit of seed)**
Pythium damping off Pythium spp. **Rhizoctonia root rot** Rhizoctonia spp. **Sudden Death Syndrome** Fusarium virguliforme **White mold** Sclerotinia sclerotiorum **Phytophthora root rot** Phytophthora spp.	0.05 oz per unit of seed 340,000 seeds)

Corn - Foliar and Soil Application Methods	
Target Diseases	**Rate (oz/acre)**
Southern Rust Puccinia polysora **Tar Spot** Phyllachora maydis **Fusarium wilt** Fusarium spp.	0.38-0.42

Corn - Seed Treatment: liquid, dry and planter box application methods	
Target Diseases	**Rate (oz per unit of seed)**
Southern Rust Puccinia polysora **Tar Spot** Phyllachora maydis **Fusarium wilt** Fusarium spp.	0.05 oz per unit of seed 80,000 seeds)

Cotton - Foliar and Soil Application Methods	
Cotton Short Staple Cotton, Long Staple Cotton, Upland Cotton, Pima Cotton	
Target Diseases	**Rate (oz/acre)**
Fusarium wilt Fusarium spp. **Pythium damping off** Pythium spp. **Rhizoctonia root rot** Rhizoctonia spp.	0.38-0.42

Cotton - Seed Treatment: liquid, dry and planter box application methods	
Cotton Short Staple Cotton, Long Staple Cotton, Upland Cotton, Pima Cotton	
Target Diseases	**Rate (oz per unit of seed)**
Fusarium wilt Fusarium spp. **Pythium damping off** Pythium spp. **Rhizoctonia root rot** Rhizoctonia spp.	0.05 oz per unit of seed 250,000 seeds)

Peanut (including those grown for oil production) - Foliar and Soil Application Methods	
Target Diseases	**Rate (oz/acre)**
Fusarium wilt Fusarium spp. **Pythium damping off and pod rot** Pythium spp. **Rhizoctonia root rot and pod rot** Rhizoctonia spp. **White mold** Sclerotinia sclerotiorum, Sclerotium rolfsii, Sclerotinium spp.	0.38-0.42

Peanut Seed Treatment - liquid, dry and planter box application methods	
Target Diseases	**Rate (oz per unit of seed)**
Fusarium wilt Fusarium spp. **Pythium damping off and pod rot** Pythium spp. **Rhizoctonia root rot and pod rot** Rhizoctonia spp. **White mold** Sclerotinia sclerotiorum, Sclerotium rolfsii, Sclerotinium spp.	0.05 oz per unit of seed

Wheat - Foliar and Soil Application Methods	
Target Diseases	**Rate (oz/acre)**
Pythium damping off Pythium spp.	0.38-0.42

Wheat - Seed Treatment: liquid, dry and planter box application methods	
Target Diseases	**Rate (oz per unit of seed)**
Pythium damping off Pythium spp.	0.05 oz per unit of seed

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

Pesticide Storage: Store in a dry area inaccessible to children. Store in original container only. Keep container closed when not in use. Do not store at temperatures above 76°F (25°C).

Pesticide Disposal: To avoid wastes, use all material in this container by application according to the directions on the label. If material is not used, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING:
For plastic bags - Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available or dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

For fiber drums with liners - Non-refillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer liner for recycling if available or contaminated liner is prepared for incineration if allowed by State and local authorities, if liner is contaminated and cannot be reused, dispose of in the same manner.

For plastic containers with a capacity equal to or less than 50 pounds - Non-refillable container. Do not reuse or refill this container. Clean container 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 and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, if allowed by State and local authorities, if burned, stay out of smoke.

Biologicals
Plant Health

NewLeaf symbiotics
Champions of Pink Performance™

EPA Reg. No. 95899-1
LI0100K2026
©NewLeaf Symbiotics 2025

Seed Treatment | Foliar | Drench | Drip | Chemigation

ACTIVE INGREDIENT:	
Methylenibumon popuil strain NL50089*	20%
OTHER INGREDIENTS	80%
TOTAL	100%

*Contains not less than 5x10^6 CFU/g of product

Manufactured for:
NewLeaf Symbiotics Inc.
1000 N. Warson Road
Suite 100
St. Louis, MO 63132

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID

IF INHALED	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-nose if possible. • Call a poison control center 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 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. For information on this product (including general health emergency information), call your local poison control center at 1-800-222-1222. For CHEMTREC emergencies, call 1-800-424-9300 (Monday-Friday, 8am-5pm Pacific Time (PST)), website: nacd.com/ala. For medical emergencies, call your local poison control center at 1-800-222-1222.

TS601™

NewLeaf symbiotics
Champions of Pink Performance™

©NewLeaf Symbiotics 2025

39"

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS:
CAUTION: Harmful if inhaled. Avoid breathing dust or spray mist. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE):
Applicator and other handlers must wear:
- long-sleeved shirt and long pants
- waterproof gloves
- shoes plus socks

Mixer/loaders and applicators (except treated seed baggers and bag sewers) must wear a minimum of chemical resistant gloves made of any waterproof material (e.g., nitrile, butyl, or Viton). Use only chemical resistant gloves, particulate filter with any N, R or P filter, OR a NIOSH-approved powered air-purifying respirator with an HE filter. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.
Follow the 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.

ENGINEERING CONTROLS: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR§ 170.607 (d) (4), and (5), the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

USER SAFETY RECOMMENDATIONS:
Users should:
- 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: For terrestrial uses: Do not apply directly to water or to areas where water is present or to intertidal areas below the mean high-water mark. Do not contaminate water when disposing of equipment washwater or rinsate.
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 State or Tribal 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 application of this product in agricultural establishments. You must follow applicable 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.**
EXCEPTION: If the product is a soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated. For early entry into treated areas that is permitted under the Worker Protection Standard and that involves anything that has been treated, such as plants, soil or water, wear:
- coveralls
- waterproof gloves
- 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 or greenhouses.
Keep unprotected persons out of treated areas until sprays have dried.

BASIC USE INFORMATION
TS601 is a broad spectrum preventative product for the suppression of fungal plant diseases via multiple modes of action. It is a biologically derived product containing living cells and cell fragments of a naturally occurring strain of *Methylenibumon popuil* strain NL50089 that has been shown to be highly effective against the fungal pathogen. Apply TS601 with any equipment commonly used for making ground or aerial applications and irrigation systems commonly used for chemigation. Heavy rainfall or irrigation shortly after application may require retreatment. TS601 is labeled for use in fall crops. TS601 is most effectively used in a preventative disease management program. For best results, apply at least 7 days before the expected disease occurs. Apply TS601 alone, in alternating spray programs, or in tank mixes with other registered fungicides effective against the target pathogen. Apply TS601 with other registered fungicides for maximum control of fungal pathogens and resistance management benefits. Use TS601 with other registered fungicides for tank mixing and alternating applications. Use only in accordance with the more restrictive label limitations and precautions. Do not exceed label dosage rates.
FUNGICIDE RESISTANCE MANAGEMENT AND INTEGRATED PEST MANAGEMENT (IPM)
Integrate TS601 into an overall disease and pest management strategy whenever fungicide use is necessary. Follow practices known to reduce disease development. Consult local agricultural authorities for specific IPM strategies developed for your crop(s) and location.
Be sure use of this product conforms to resistance management strategies, which may include rotating and/or mixing with other products with different modes of action.

USE RATE DETERMINATION
Carefully read and follow all label directions, use rates and restrictions. Application of TS601 prior to or in the early stages of disease development is critical to achieve optimal disease control. Adjust the rate to the maximum label rates and shortest spray intervals for conditions conducive to threatening or rapid disease development. For proper application, determine the number of acres to be treated, the label use rate and the amount of spray solution required to give good canopy penetration and plant parts to be protected. Prepare only enough spray solution required to treat the measured acreage. Accurate spray equipment calibration is essential for proper results.

PREHARVEST INTERVAL
TS601 can be applied up to and on the day of harvest.

FOR USE AS A FOLIAR SPRAY ON SELECT AGRICULTURAL FIELD CROPS AND SELECT AGRICULTURAL GREENHOUSE CROPS
MIXING INSTRUCTIONS
MIXING:
- Prepare a premix that consists of heart of TS601 plus a minimum of 3 parts water
- Once the premix is complete, introduce this solution into the full pesticide tank solution
- Maintain a gentle agitation throughout the mixing and application operations

TS601 must be diluted with water. Partially fill the spray tank with clean, non-chlorinated water and begin agitation. Add the specified amount of TS601 to the tank. Finish filling the tank to the desired volume to obtain the proper spray concentration. It is critical that the spray solution be agitated during mixing and application to achieve good results. Failure to agitate may result in TS601 settling out overnight or for longer than 24 hours. Maintain a spray solution pH between 5.5 and 7.5.
TS601 may be tank mixed with other registered pesticides to enhance disease suppression. This product cannot be mixed with any product with prohibition against such mixing. When tank mixing TS601 with other registered pesticides, always read and follow all use directions, restrictions, and precautions of both TS601 and the partner(s). Use of the resulting mix must be in accordance with the more restrictive label limitations and precautions. Do not exceed label dosage rates.
CHEMIGATION: This product can be applied through sprinkler (center pivot, lateral move, and low, side roll, linear), drip, and flood (furrow, subirrigation, or hand move) or drip/ooze irrigation systems. Refer to the Chemigation Directions for Use section of this label for additional directions and precautions. Maintain agitation during application to ensure that the product is uniformly distributed in the irrigation water. Refer to the Application Rate tables of this label in sufficient water to achieve coverage and not less than 5 gallons of water per acre.
CHEMIGATION: This product can be applied through sprinkler (center pivot, lateral move, and low, side roll, linear) or drip/ooze irrigation systems. Refer to the Chemigation Directions for Use section of this label for additional directions and precautions. Maintain agitation during application to ensure that the product is uniformly distributed in the irrigation water. Refer to the Application Rate tables of this label in sufficient water to achieve thorough coverage.
COMPATIBILITY:
Do not combine TS601 in the spray tank with pesticides, surfactants or fertilizers if there has been no previous experience or use of the combination to show it is physically compatible, effective and non-injurious under your use conditions. TS601 is compatible with many commonly used pesticides, fertilizers, adjuvants and surfactants but has not been fully evaluated with all of these. To ensure compatibility of tankmix combinations, evaluate them prior to use as follows:
Using a suitable container, add proportional amounts of product to water. Add wettable powders first, followed by water dispersible granules, then by liquid flowables and finally, emulsifiable concentrates. Mix thoroughly and let stand for at least five minutes. If the combination stays mixed or can be remixed, it is physically compatible. Test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application.

ADDITIVES: TS601 is compatible with a wide range of additives but has not been evaluated with all products. Contact your sales representative or dealer for specific information on compatible fungicides or other additives.
APPLICATION INSTRUCTIONS:
TS601 is a broad spectrum fungicide for the prevention and suppression of diseases on labeled crops and rootstocks. In field settings, TS601 should be applied at least 7 days before expected disease occurs. Repeat applications as needed. Apply in sufficient water to obtain thorough coverage. For improved performance under moderate to severe disease pressure, increase rates or use TS601 in a tankmix or alternating program with other registered fungicides.
SPRAY DRIFT: Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator and the grower/treatment coordinator are responsible for considering all these factors when making decisions. **PREHARVEST INTERVAL**
TS601 can be applied up to and on the day of harvest.
FOR USE AS A FOLIAR SPRAY ON SELECT AGRICULTURAL FIELD CROPS AND SELECT AGRICULTURAL GREENHOUSE CROPS
MIXING INSTRUCTIONS
MIXING:
- Prepare a premix that consists of heart of TS601 plus a minimum of 3 parts water
- Once the premix is complete, introduce this solution into the full pesticide tank solution
- Maintain a gentle agitation throughout the mixing and application operations

TS601 must be diluted with water. Partially fill the spray tank with clean, non-chlorinated water and begin agitation. Add the specified amount of TS601 to the tank. Finish filling the tank to the desired volume to obtain the proper spray concentration. It is critical that the spray solution be agitated during mixing and application to achieve good results. Failure to agitate may result in TS601 settling out overnight or for longer than 24 hours. Maintain a spray solution pH between 5.5 and 7.5.
TS601 may be tank mixed with other registered pesticides to enhance disease suppression. This product cannot be mixed with any product with prohibition against such mixing. When tank mixing TS601 with other registered pesticides, always read and follow all use directions, restrictions, and precautions of both TS601 and the partner(s). Use of the resulting mix must be in accordance with the more restrictive label limitations and precautions. Do not exceed label dosage rates.
COMPATIBILITY: Do not combine TS601 in the spray tank with pesticides, surfactants or fertilizers if there has been no previous experience or use of the combination to show it is physically compatible, effective and non-injurious under your use conditions. TS601 is compatible with many commonly used pesticides, fertilizers, adjuvants and surfactants but has not been fully evaluated with all of these. To ensure compatibility of tankmix combinations, evaluate them prior to use as follows:
Using a suitable container, add proportional amounts of product to water. Add wettable powders first, followed by water dispersible granules, then by liquid flowables and finally, emulsifiable concentrates. Mix thoroughly and let stand for at least five minutes. If the combination stays mixed or can be remixed, it is physically compatible. Test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application.

ADDITIVES: TS601 is compatible with a wide range of additives but has not been evaluated with all products. Contact your sales representative or dealer for specific information on compatible fungicides or other additives.
APPLICATION INSTRUCTIONS:
TS601 is a broad spectrum fungicide for the prevention and suppression of diseases on labeled crops and rootstocks. In field settings, TS601 should be applied at least 7 days before expected disease occurs. Repeat applications as needed. Apply in sufficient water to obtain thorough coverage. For improved performance under moderate to severe disease pressure, increase rates or use TS601 in a tankmix or alternating program with other registered fungicides.
SPRAY DRIFT: Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator and the grower/treatment coordinator are responsible for considering all these factors when making decisions.
IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.
USER SAFETY RECOMMENDATIONS:
Users should:
- 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: For terrestrial uses: Do not apply directly to water or to areas where water is present or to intertidal areas below the mean high-water mark. Do not contaminate water when disposing of equipment washwater or rinsate.
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 State or Tribal 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 application of this product in agricultural establishments. You must follow applicable 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.**
EXCEPTION: If the product is a soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated. For early entry into treated areas that is permitted under the Worker Protection Standard and that involves anything that has been treated, such as plants, soil or water, wear:
- coveralls
- waterproof gloves
- 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 or greenhouses.
Keep unprotected persons out of treated areas until sprays have dried.

BASIC USE INFORMATION
TS601 is a broad spectrum preventative product for the suppression of fungal plant diseases via multiple modes of action. It is a biologically derived product containing living cells and cell fragments of a naturally occurring strain of *Methylenibumon popuil* strain NL50089 that has been shown to be highly effective against the fungal pathogen. Apply TS601 with any equipment commonly used for making ground or aerial applications and irrigation systems commonly used for chemigation. Heavy rainfall or irrigation shortly after application may require retreatment. TS601 is labeled for use in fall crops. TS601 is most effectively used in a preventative disease management program. For best results, apply at least 7 days before the expected disease occurs. Apply TS601 alone, in alternating spray programs, or in tank mixes with other registered fungicides effective against the target pathogen. Apply TS601 with other registered fungicides for maximum control of fungal pathogens and resistance management benefits. Use TS601 with other registered fungicides for tank mixing and alternating applications. Use only in accordance with the more restrictive label limitations and precautions. Do not exceed label dosage rates.
FUNGICIDE RESISTANCE MANAGEMENT AND INTEGRATED PEST MANAGEMENT (IPM)
Integrate TS601 into an overall disease and pest management strategy whenever fungicide use is necessary. Follow practices known to reduce disease development. Consult local agricultural authorities for specific IPM strategies developed for your crop(s) and location.
Be sure use of this product conforms to resistance management strategies, which may include rotating and/or mixing with other products with different modes of action.

USE RATE DETERMINATION
Carefully read and follow all label directions, use rates and restrictions. Application of TS601 prior to or in the early stages of disease development is critical to achieve optimal disease control. Adjust the rate to the maximum label rates and shortest spray intervals for conditions conducive to threatening or rapid disease development. For proper application, determine the number of acres to be treated, the label use rate and the amount of spray solution required to give good canopy penetration and plant parts to be protected. Prepare only enough spray solution required to treat the measured acreage. Accurate spray equipment calibration is essential for proper results.

PREHARVEST INTERVAL
TS601 can be applied up to and on the day of harvest.
FOR USE AS A FOLIAR SPRAY ON SELECT AGRICULTURAL FIELD CROPS AND SELECT AGRICULTURAL GREENHOUSE CROPS
MIXING INSTRUCTIONS
MIXING:
- Prepare a premix that consists of heart of TS601 plus a minimum of 3 parts water
- Once the premix is complete, introduce this solution into the full pesticide tank solution
- Maintain a gentle agitation throughout the mixing and application operations

TS601 must be diluted with water. Partially fill the spray tank with clean, non-chlorinated water and begin agitation. Add the specified amount of TS601 to the tank. Finish filling the tank to the desired volume to obtain the proper spray concentration. It is critical that the spray solution be agitated during mixing and application to achieve good results. Failure to agitate may result in TS601 settling out overnight or for longer than 24 hours. Maintain a spray solution pH between 5.5 and 7.5.
TS601 may be tank mixed with other registered pesticides to enhance disease suppression. This product cannot be mixed with any product with prohibition against such mixing. When tank mixing TS601 with other registered pesticides, always read and follow all use directions, restrictions, and precautions of both TS601 and the partner(s). Use of the resulting mix must be in accordance with the more restrictive label limitations and precautions. Do not exceed label dosage rates.
COMPATIBILITY: Do not combine TS601 in the spray tank with pesticides, surfactants or fertilizers if there has been no previous experience or use of the combination to show it is physically compatible, effective and non-injurious under your use conditions. TS601 is compatible with many commonly used pesticides, fertilizers, adjuvants and surfactants but has not been fully evaluated with all of these. To ensure compatibility of tankmix combinations, evaluate them prior to use as follows:
Using a suitable container, add proportional amounts of product to water. Add wettable powders first, followed by water dispersible granules, then by liquid flowables and finally, emulsifiable concentrates. Mix thoroughly and let stand for at least five minutes. If the combination stays mixed or can be remixed, it is physically compatible. Test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application.

D. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label/prescribed safety devices for public water systems are in place.
E. Persons knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person shall shut the irrigation system down and make necessary adjustments should the need arise.
Follow mixing instructions above. Agitation is recommended in the pesticide supply tank. Apply the pesticide during the flow of water application.
For Center Pivot:
- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pumps) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a suction interlock.

Center Pivot, Lateral Move, End Tow, and Traveler Irrigation Equipment (Low only with electric or oil hydraulic drive systems that provide a uniform water distribution)
- Determine size of area to be treated.
- Add the required amount of TS601 fungicide to more than 1/4 inch of water (6,750 gallons water per acre) over the area to be treated when the system and injection equipment are operated at normal pressures specified by the equipment manufacturer. Run system at 50-80% of manufacturer's rated capacity.
- Using only water, determine the injection pump output when operated at normal/line pressure. Adjust injection pump to deliver the required amount of fungicide.
- Add required amount of TS601 fungicide and sufficient water to meet the injection time requirements of the solution tank.
- Inject the pesticide solution tank agitation during the injection period.
- Stop injection equipment after treatment is completed. Continue to operate the system until TS601 fungicide solution has cleared the sprinkler head.

Solid Set, Side (Wheel) Roll, and Hand Move Irrigation Equipment:
- Determine acreage covered by sprinkler.
- Fill tank or solution tank with water and adjust flow rate to use contents over a 10- to 30-minute interval.
- Determine the amount of TS601 fungicide required to treat area.
- Add the required amount of TS601 fungicide into the same quantity of water used to calibrate the injection equipment.
- Inject the pesticide solution tank agitation during the injection period.
- Operate system at normal pressures specified by the manufacturer of the injection equipment and used for the time interval established during calibration.
- Stop injection equipment at the end of the irrigation cycle or as a separate application to maximize foliar fungicide retention.
- Stop injection equipment after treatment is completed. Continue to operate the system until TS601 fungicide solution has cleared the last sprinkler head.

Begin applications when environmental conditions are conducive to disease development and repeat as needed to achieve optimal disease control. Use application intervals.
AERIAL DRIFT REDUCTION INFORMATION
BASIC: Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determine the potential for spray drift. The applicator and the grower/treatment coordinator are responsible for considering all these factors when making decisions. Follow all applicable state and tribal drift control laws and regulations.
INFORMATION ON DROPLET SIZE: The most effective way to reduce drift potential is to apply large droplets. Droplets smaller than 150 microns in diameter are prone to drift beyond the intended target area. Application of larger droplets will reduce drift potential but will not prevent drift if applications are made improperly or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversions).
CONTROLLING DROPLET SIZE: Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets. Pressure - Do not exceed the nozzle manufacturer's specified pressure. For many nozzle types, lower pressure produces larger droplets. When high flow rates are needed, use higher flow rate nozzles instead of increasing pressure. Number of Nozzles - Use the minimum number of nozzles that provide the coverage required. Droplets from one nozzle will not be affected by those from other nozzles. Nozzle Orientation - Orienting nozzles to reduce the exposure of droplets to airflow can lead to droplet size shift. Orienting nozzles so that the spray is released parallel to the airstream, produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential. Nozzle Type - Use a nozzle that is designed for the intended application. With most hydraulic nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles that are oriented straight back produce the largest droplets and the lowest drift. Use medium or coarser spray according to the ASAE S572 definition for standard nozzles or VMD for spinning atomizer nozzles.
BOOM WIDTH: For small applications, the boom with much not exceed 75% of the wingspan or 90% of the rotor diameter.
APPLICATION HEIGHT: Do not release spray at a height greater than 10 feet above the top of the ground or the crop canopy unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind. If application includes a nozzle-to-wing distance, do not release spray at a height greater than 10 feet above ground or crops.
TWO-WAY ADJUSTMENT: Use upwind/downwind measurement. When applications are made with a crosswind, the swath will be displaced downward. Therefore, on the upwind and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, etc.).
WIND: Apply only when wind speed is 2-10 miles per hour as measured by an anemometer. Drift potential is generally minimal between 2-5 mph. Do not apply when wind speed is greater than 10 mph. Local terrain and equipment type, determine drift potential at any given speed. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.
TEMPERATURE AND HUMIDITY: When making applications in low-relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are warm and dry.
TEMPERATURE INVERSIONS: Do not apply during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light, variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with height above the ground. They can begin to form late afternoon and evening and can last until sunrise the next morning. Inversions can also be identified by the movement of smoke from a ground source or an elevated source (smoke stack) in a stable air mass. Smoke from ground sources that hugs the ground or rises and then horizontally disperses within a short distance after rising indicates ground inversion conditions. Smoke from elevated sources that disperses downwards and laterally indicates the presence of an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.
SENSITIVE AREAS: The pesticide should only be applied when the potential for drift to adjacent, sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-flowering crops, or organic farms) is minimal (e.g., when weather conditions favor minimal drift). Avoid spray drift from the application site and contact people, structures people occupy at any time and the associated property, pets and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals.
TS601 has a DeDay Preharvest Interval for all crops contained on this label.
Use only in accordance with the more restrictive label limitations and precautions. To increase rates and reduce spray intervals or use TS601 in a tankmix or rotational program with other registered fungicides.
FOR USE AS A SOIL-TREATMENT ON SELECT AGRICULTURAL FIELD CROPS:
TS601 is a broad spectrum fungicide for the prevention and suppression of diseases on labeled crops and rootstocks. In field settings, TS601 should be applied at least 7 days before expected disease occurs. Repeat applications as needed. Apply in sufficient water to obtain thorough coverage. For improved performance under moderate to severe disease pressure, increase rates or use TS601 in a tankmix or alternating program with other registered fungicides.
MIXING INSTRUCTIONS:
MIXING:
- Prepare a premix that consists of heart TS601 plus a minimum of 3 parts water
- Once the premix is complete, introduce this solution into the full pesticide tank solution
- Maintain sufficient tank agitation during the mixing and application operations

TS601 must be diluted with water. Partially fill the spray tank with clean, non-chlorinated water and begin agitation. Add the specified amount of TS601 to the tank. Finish filling the tank to the desired volume to obtain the proper spray concentration. It is critical that the spray solution be agitated during mixing and application to achieve good results. Failure to agitate may result in TS601 settling out overnight or for longer than 24 hours. Maintain a spray solution pH between 5.5 and 7.5.
TS601 may be tank mixed with other registered pesticides to enhance plant disease suppression. This product cannot be mixed with any product with prohibition against such mixing. When tank mixing TS601 with other registered pesticides, always read and follow all use directions, restrictions, and precautions of both TS601 and the partner(s). Use of the resulting mix must be in accordance with the more restrictive label limitations and precautions. Do not exceed label dosage rates.
COMPATIBILITY: Do not combine TS601 in the spray tank with pesticides, surfactants, or fertilizers if there has been no previous experience or use of the combination to show it is physically compatible, effective and non-injurious under your use conditions.
COMPATIBILITY: Do not combine TS601 in the spray tank with pesticides, surfactants, or fertilizers if there has been no previous experience or use of the combination to show it is physically compatible, effective and non-injurious under your use conditions. To ensure compatibility of seed treatment combinations, evaluate them prior to use as follows: Using a suitable container, add proportional amounts of product to water. Add wettable powders first, followed by water dispersible granules, then by liquid flowables and finally, emulsifiable concentrates. Mix thoroughly and let stand for at least five minutes. If the combination stays mixed or can be remixed, it is physically compatible. Test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application.
FOR USE AS DRY SEED TREATMENT AND PLANTER BOX/ HOPPER BOX (ONSITE)
MIXING INSTRUCTIONS
TS601 may be applied mixed with seed flow lubricants and/or other products labeled for planter box use but has not been evaluated with all of these products. This product cannot be mixed with any product with prohibition against such mixing. When tank mixing TS601 with other registered pesticides, always read and follow all use directions, restrictions, and precautions of both TS601 and the partner(s). Use of the resulting mix must be in accordance with the more restrictive label limitations and precautions. Do not exceed label dosage rates.
COMPATIBILITY: Do not combine TS601 in the planter box with pesticides, surfactants, or fertilizers if there has been no previous experience or use of the combination to show it is physically compatible, effective and non-injurious under your use conditions.
APPLICATION INSTRUCTIONS
Apply product by dispensing the powder evenly onto seed. Mix well and ensure that seed is uniformly coated. For application rates, see application rates table. Use higher rates if the field has a history of disease or if conditions favor development of disease. Minimum flow rates for programs are in ounces. TS601 can be mixed with a seed flow lubricant and other products labeled for onsite planter box applications, see mixing instructions for details.
FOR USE AS SEED TREATMENT
MIXING INSTRUCTIONS
MIXING: TS601 may be mixed with other registered pesticides to enhance seed germination. This product cannot be mixed with any product with prohibition against such mixing. When mixing TS601 with other registered pesticides, always read and follow all use directions, restrictions, and precautions of both TS601 and the partner(s). Use of the