SPECIMEN LABEL

PPZ 41.8 SELECT

FUNGICIDE

Broad-spectrum fungicide for control of plant, turf and ornamental diseases

Manufactured By: Prime Source, a division of Albaugh, LLC 1525 NE 36th Street, Ankeny, IA 50021

ACTIVE INGREDIENT:	% BY WT.
Propiconazole*	41.8%
OTHER INGREDIENTS**:	58.2%
TOTAL:	100.0%

*CAS No. 60207-90-1

**Contains petroleum distillates

Contains 3.6 lbs. of propiconazole per gallon.

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See label booklet for complete First Aid, Precautionary Statements, Directions for Use, and Storage and Disposal.



EPA Reg. No. 89442-3

FIRST AID					
IF IN EYES/SI ENTRA EN CONTACTO CON LOS OJOS:	 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. 				
	 Mantenga los ojos abiertos y enjuáguelos lenta y cuidadosamente con agua, durante 15 a 20 minutos. Si utiliza lentes de contacto, retírelos después de los primeros 5 minutos, luego continúe enjuagando los ojos. Llame al centro de control de envenenamientos o a un médico para consejo de tratamiento. 				
IF ON SKIN OR CLOTHING/ SI CAE EN LA PIEL:	 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. 				
	 Quítese la ropa contaminada. Enjuague la piel inmediatamente con bastante agua por 15-20 minutos. Llame al centro de control de envenenamientos o a un médico para consejo de tratamiento. 				
IF SWALLOWED/SI SE INGIERE:	 Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. 				
	 Llame de inmediato a un centro de control de envenenamientos o a un médico para consejo de tratamiento. No induzca el vómito a menos que así se lo indique un centro de control de envenenamientos o un médico. No le dé ningún líquido a la persona. No administre nada por boca a una persona que haya perdido el conocimiento. 				
IF INHALED/SI ES INHALADO:	 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. 				
	 Traslade a la persona al aire fresco. Si la persona no está respirando llame al 911 o a una ambulancia, luego dé respiración artificial, preferiblemente de boca a boca, si es posible. Llame al centro de control de envenenamientos o a un médico para consejo de tratamiento. 				
HOTLINE NUMBERS/ NÚMERO DE LÍNEA DIRECTA					

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at **1-800-858-7378**, Mon.-Fri., 8:00 a.m. to 12:00 p.m. Pacific Time or your poison control center at **1-800-222-1222**.

Cuando llame a un centro de control de envenenamiento, o a un médico, o intente obtener tratamiento, tenga a la mano el envase o la etiqueta del producto. Para obtener información de emergencia sobre este producto, llame al Centro Nacional de Información sobre Pesticidas (NPIC) al 1-800-858-7378, de lunes a viernes, de 8:00 a. m. a 12:00 p. m. Hora del Pacífico o su centro de control de intoxicaciones al 1-800-222-1222.

NOTE TO PHYSICIAN/NOTA PARA EL MEDICO

Contains petroleum distillate – vomiting may cause aspiration pneumonia.

Contiene destilado de petróleo – el vómito puede causar neumonía por aspiración.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING/AVISO

Causes substantial but temporary eye injury. Do not get in eyes, on skin, or on clothing. Harmful if swallowed, inhaled, or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid breathing spray mist. This product may cause sensitization reactions in certain individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some of the materials that are chemical-resistant to this product are polyethylene or polyvinyl chloride.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or Viton \geq 14 mils
- Shoes plus socks
- Protective eyewear such as goggles, face shield, or safety glasses

USER SAFETY REQUIREMENTS

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

DECLARACIONES PREVENTIVAS

RIESGOS PARA LOS SERES HUMANOS Y ANIMALES DOMÉSTICOS WARNING/AVISO

Causa lesiones oculares severas pero temporales. No permita que caiga en los ojos, la piel o la ropa. Dañino si se ingiere, se inhala, o se absorbe por la piel. El contacto prolongado y frecuente con la piel puede causar reacciones alérgicas en algunos individuos. Evite respirar aerosol. This product may cause sensitization reactions in certain individuals.

EQUIPO DE PROTECCIÓN PERSONAL (PPE, por sus singlas en inglés)

Algunos materiales resistentes a este producto químico son polietileno o cloruro de polivinilo.

Los aplicadores y otros manipuladores de pesticidas (plaguicidas) deberán usar:

- Camisa de manga larga, pantalones largos
- Guantes resistentes a productos químicos como los laminados impermeables o Viton[®] > 14 mils
- Calcetines y zapatos
- Gafas protectoras como gafas protectoras, protectores faciales o gafas de seguridad

REQUISITOS DE SEGURIDAD DEL USUARIO

Deseche la ropa y otros materiales absorbentes que hayan sido empapados o muy contaminados con el concentrado de este producto. No los reutilices. Siga las instrucciones del fabricante para la limpieza/mantenimiento del equipo de protección personal (PPE, por sus siglas en inglés). En caso de no existir dichas instrucciones de lavado, utilice detergente y agua caliente. Mantenga y lave el PPE separadamente de otra ropa para lavar.

ENGINEERING CONTROLS STATEMENT

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 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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.

RECOMENDACIONES DE SEGURIDAD PARA EL USUARIO

Los usuarios deben usar:

- Lávese las manos antes de comer, beber, masticar chicle, consumir tabaco o ir al baño.
- Quítese la ropa/EPP inmediatamente si el pesticida entra. Luego lávese bien y póngase ropa limpia.

Quítese el EPP inmediatamente después de manipular este producto. Lave el exterior de los guantes antes de guitárselos. Tan pronto como sea posible, lávese bien y cámbiese a ropa limpia.

ENVIRONMENTAL HAZARDS

This pesticide 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 washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying. 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 in your State responsible for pesticide regulation.

INSTRUCCIONES DE USO

El uso de este producto de forma contraria a lo indicado en su etiqueta constituye una infracción de la ley federal. Lea atentamente todas las instrucciones de uso antes de aplicar. No aplique este producto de manera que entre en contacto con trabajadores u otras personas, ya sea directamente o por deriva. Solo los manipuladores protegidos pueden estar en el área durante la aplicación. Para cualquier requisito específico de su estado o tribu, consulte a la agencia estatal o tribal responsable de la regulación de pesticidas.

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 12 hours.

Exception: If the product is 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.

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 Viton ≥ 14 mils
- · Shoes plus socks
- · Protective eyewear such as goggles, face shield, or safety glasses

REQUIS ITOS DE USO AGRICOLA

Utilice este producto solo de acuerdo con su etiqueta y el Estándar para la Protección del Trabajador Agrícola (WPS, por sus siglas en inglés), 40 CFR Parte 170. Esta ley contiene los requisitos para la protección de los trabajadores agrícolas en granjas, bosques, viveros e invernaderos, y para las personas que manipulan pesticidas agrícolas. Contiene requisitos para la capacitación, descontaminación, notificación y asistencia de emergencia. También contiene instrucciones específicas y excepciones relacionadas con las indicaciones en esta etiqueta acerca del equipo de protección personal (PPE, por sus siglas en inglés), y el intervalo de ingreso restringido. Los requisitos en esta sección de la etiqueta (requisitos para uso agrícola) aplican únicamente a los usos de este producto que están cubiertos por el Estándar para la Protección del Trabajador Agrícola.

No ingrese o permita el ingreso de trabajadores a las áreas tratadas durante el intervalo de acceso restringido (REI, por sus siglas en inglés) de 12 horas.

Excepción: Si el producto se inyecta o incorpora al suelo, la Norma de Protección del Trabajador, bajo ciertas circunstancias, permite que los trabajadores ingresen al área tratada si no habrá contacto con nada que haya sido tratado.

El equipo de protección personal requerido para el acceso anticipado a áreas tratadas de acuerdo con el Estándar para la Protección del Trabajador Agrícola, y que involucra el contacto con material tratado, como plantas, tierra o agua, es:

Coveralls

- Guantes resistentes a productos químicos como los laminados impermeables o Viton[®] ≥ 14 mils
- Calcetines y zapatos
- Gafas protectoras como gafas protectoras, protectores faciales o gafas de seguridad

PRODUCT INFORMATION

PPZ 41.8 SelectTM is a broad-spectrum fungicide labeled for the control of many important plant diseases.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, OR ILLEGAL RESIDUES.

Use Restriction:

Do not use PPZ 41.8 Select™ in greenhouses or as a tree injection.

Integrated Pest Management

PPZ 41.8 Select™ must be integrated into an overall disease and pest management strategy (IPM) whenever the use of a fungicide is required. Cultural practices known to reduce disease development must be followed. Consult your local agricultural authorities for additional IPM strategies established for your area. PPZ 41.8 Select™ may be used in State Agricultural Extension advisory (disease forecasting) programs which specify application timing based on environmental factors favorable for disease development.

RESISTANCE MANAGEMENT

PROPICONAZOLE GROUP 3 FUNGICIDE

PPZ 41.8 Select™ is in the Group 3 class fungicides. **PPZ 41.8 Select™** acts as a demethylation inhibitor of sterol biosynthesis (DMI) which disrupts membrane synthesis by blocking demethylation. Because resistance development cannot be predicted, the use of this product must follow appropriate resistance management strategies. To delay fungicide resistance, use must be based on an IPM program that includes the following steps:

- Rotate the use of **PPZ 41.8 SelectTM** or other Group 3 fungicides within a growing season sequence with different groups that control the same pathogens. Avoid application of more than 3 and consecutive sprays of **PPZ 41.8 SelectTM** or other fungicides in the same group in a season.
- Use tank mixtures with fungicide from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.

- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance, contact your Prime Source, a division of Albaugh, LLC representative. You can also contact your pesticide distributor or university extension specialist to report resistance.

SPRAY EQUIPMENT

Thorough coverage is necessary to provide good disease control.

To avoid spray drift, do not apply when conditions favor drift beyond the target areas. Avoid spray overlap, as crop injury may occur.

Air assisted or air blast sprayers move spray droplets into the canopy using a forced air stream. Set up the fan to deliver only enough air volume to penetrate the canopy and provide good coverage. Adjust deflectors or other aiming devices to direct spray only to the target area.

Equip sprayers with nozzles that provide accurate and uniform application. Be certain that nozzles are the same size and uniformly spaced across the boom. Calibrate sprayer before use.

Use a pump with capacity to: (1) maintain 35-40 PSI at nozzles, and (2) provide sufficient agitation in tank to keep mixture in suspension – this requires recirculation of 10% of tank volume per minute. Use a jet agitator or liquid sparge tube for agitation. Do not air sparge.

Although **PPZ 41.8 SelectTM** is an emulsifiable concentrate, it is suggested that screens be used to protect the pump and to prevent nozzles from clogging. Screens placed on suction side of pump must be 16-mesh or coarser. Do not place a screen in the recirculation line. Use 50-mesh or coarser screens between the pump and boom, and where required, at the nozzles. Check nozzle manufacturer's specifications.

For more information on spray equipment and calibration, consult sprayer manufacturer's and State recommendations. For specific local directions and spray schedules, consult the current State agricultural recommendations.

MIXING INSTRUCTIONS

Prepare no more spray mixture than is required for the immediate operation. Thoroughly clean spray equipment before using this product. Agitate the spray solution before and during application. Rinse spray tank thoroughly with clean water after each day's use and dispose of pesticide rinsate by application to an already treated area.

PPZ 41.8 Select™ Alone: Add ½ - ¾ of the required amount of water to the spray or mixing tank. With the agitator running, add the PPZ 41.8 Select™ to the tank. Continue agitation while adding the remainder of the water. Begin application of the spray solution after the PPZ 41.8 Select™ has completely dispersed into the mix water. Maintain agitation until all of the mixture has been sprayed.

PPZ 41.8 Select™ + Tank Mixtures: PPZ 41.8 Select™ is usually compatible with all tank mix partners listed on this label. To determine the physical compatibility of PPZ 41.8 Select™ with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

Add ½ - ¾ of the required amount of water to the spray or mixing tank. With the agitator running, add the tank mix partner into the tank. Allow the material to completely dissolve and disperse into the mix water. Continue agitation while adding the remainder of the water and the **PPZ 41.8 Select™** to the spray tank. Allow the **PPZ 41.8 Select™** to completely disperse. Spray the mixture with the agitator running.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Restriction:

• Do not mix **PPZ 41.8 SelectTM** with Syllit[®] or crop injury may result.

APPLICATION INSTRUCTIONS

Avoid application under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur. Do not apply in a manner that will result in exposure to humans or animals.

Ground Application: For tree crops, apply in a minimum of 50 gallons of water per acre unless specified otherwise. For other crops, apply in a minimum of 10 gallons of water per acre unless specified otherwise.

Aerial Application: For tree crops, apply in a minimum of 10 gallons of water per acre unless specified otherwise. For other crops, apply in a minimum of 2 gallons of water per acre unless specified otherwise.

Application Through Irrigation Systems (Chemigation): Apply PPZ 41.8 Select™ through irrigation equipment only to crops for which chemigation is specified on this label.

For chemigation, apply in 0.1-0.25 inch of water. Chemigation with excessive water may lead to a decrease in efficacy.

PPZ 41.8 SelectTM, alone or in combination with other pesticides which are registered for application through irrigation systems, may be applied through irrigation systems. Apply this product only through center pivot, solid set, hand move, or moving wheel irrigation systems. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts. 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. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Notes: Do not inject PPZ 41.8 Select™ at full strength or deterioration of valves and seals may occur. Use a dilution ratio of at least 10 parts water to 1 part PPZ 41.8 Select™. PPZ 41.8 Select™ is corrosive to many seal materials. Leather seals are best. EPDM or silicone rubber seals can be used, but must be replaced once a year. Do not use Viton, Buna-N, Neoprene, or PVC seals.

Operating Instructions

- 1. 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 backflow.
- 2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.
- 3. 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.
- 4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 5. 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.
- 6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 7. Do not apply when wind speed favors drift beyond the area intended.

Center Pivot Irrigation Equipment

Notes: (1) Use only with drive systems which provide uniform water distribution. (2) Do not use end guns when chemigating **PPZ 41.8 Select™** through center pivot systems because of non-uniform application.

- Determine the size of the area to be treated.
- Determine the time required to apply ½ ½ inch of water over the area to be treated when the system and injection equipment are operated at normal pressures as specified by the equipment manufacturer. When applying **PPZ 41.8 SelectTM** through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution. Run the system at 80-95% of the manufacturer's rated capacity.
- Using water, determine the injection pump output when operated at normal line pressure.
- Determine the amount of PPZ 41.8 Select™ required to treat the area covered by the irrigation system.
- Add the required amount of PPZ 41.8 SelectTM and sufficient water to meet the injection time requirements to the solution tank.
- Make sure the system is fully charged with water before starting injection of the PPZ 41.8 Select* solution. Time the injection to last at least as long as it takes to bring the system to full pressure.
- Maintain constant solution tank agitation during the injection period.
- Continue to operate the system until the PPZ 41.8 Select™ solution has cleared the sprinkler head.

Solid Set, Hand Move, and Moving Wheel Irrigation Equipment

- Determine the acreage covered by the sprinklers.
- Fill injector solution tank with water and adjust flow rate to use the contents over a 20- to 30-minute interval. When applying **PPZ 41.8 SelectTM** through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution.
- Determine the amount of PPZ 41.8 SelectTM required to treat the area covered by the irrigation system.
- Add the required amount of PPZ 41.8 Select™ into the same quantity of water used to calibrate the injection period.
- Operate the system at the same pressure and time interval established during the calibration.
- Stop the injection equipment after treatment is completed. Continue to operate the system until the PPZ 41.8 Select™ solution has cleared the last sprinkler head.

SPECIFIC DIRECTIONS FOR USE

Сгор	Target Disease	Use Rate Fl. Oz. Product/A	Application Instructions
Grasses Grown for Seed (Idaho, Minnesota, Nebraska, Oregon, and Washington only)	Rusts (<i>Puccinia</i> spp.) Powdery Mildew (<i>Erysiphe graminis</i>) Selenophoma Stem Eyespot (<i>Selenophoma</i> spp.) Ergot Stem Diseases	4-8	Apply PPZ 41.8 Select™ when powdery mildew infections, <i>Selenophoma</i> infections, and/ or rust pustules are noticeable and increasing in number in late spring or early summer. Apply on a 14-21 days interval. To maximize control of severe rust pressure, apply 8 fl. oz./A and make applications at 14-day intervals until the seed is mature. Make the last application at least 20 days before seed matures. For bluegrass, it is important to begin application early in the growing season.

Application: PPZ 41.8 Select™ is most effective when applied and allowed to dry before a rainfall. For best results, sufficient water volume must be used to provide thorough coverage. **PPZ 41.8 Select™** may be applied by ground, air (a minimum of 10 gals./A), or chemigation.

Specific Use Restrictions:

- Do not apply more than 32 fl. oz./A/year of PPZ 41.8 Select™.
- Do not apply more than 8 fl. oz./A/application of PPZ 41.8 Select™.
- Do not apply more than 0.9 lb. a.i. propiconazole-containing products/A/year.
- Do not exceed 4 applications per year when applying at the highest rate (8 fl. oz./A) or 8 applications per year when applying at the lowest rate (4 fl. oz./A).
- Do not apply within 20 days of harvest (20-PHI) of seed.
- Do not feed hay cut within 20 days of the last application.
- Do not graze treated areas within 140 days of the last application.
- Do not apply to bermudagrass grown for seed.

TURF AND ORNAMENTAL USES INFORMATION

PPZ 41.8 SelectTM is a systemic fungicide for use on turfgrasses for the control of dollar spot (*Sclerotinia homoeocarpa*), brown patch (*Rhizoctonia solani*), anthracnose (*Colletotrichum graminicola*), red thread (*Laetisaria fuciformis*), pink patch (*Limonomyces roseipellis*), rust (*Puccinia graminis*), powdery mildew (*Erysiphe graminis*), stripe smut (*Ustilago striiformis* and *Urocystis agropyri*), summer patch (*Magnaporthe poae*), necrotic ring spot (*Leptosphaeria korrae*), spring dead spot (*Leptosphaeria korrae*, *Leptosphaeria narmari*, *Ophiosphaerella herpotricha*, *Gaeumannomyces graminis*), take-all patch (*Gaeumannomyces graminis*), leaf spot (*Bipolaris* spp., *Drechslera* spp.), gray leaf spot (*Pyricularia grisea*), pink snow mold (*Microdochium nivale*), Fusarium patch (*Fusarium nivale*), gray snow mold (*Typhula* spp.), yellow patch (*Rhizoctonia cerealis*), and zoysia patch (*Rhizoctonia solani*).

PPZ 41.8 Select™ also controls numerous diseases on ornamentals and other landscape and nursery plantings. It controls powdery mildews, rusts, leaf spots, scabs, and blights. Refer to the appropriate section for specified diseases and plants.

PRECAUTION:

Bermudagrass can be sensitive to PPZ 41.8 Select™.

RESTRICTIONS:

- Do not exceed 1.44 fl. oz. per 1.000 sg. ft. every 30 days on any variety of bermudagrass.
- Do not apply more than 1.79 lb. propiconazole a.i. per acre per application.
- Do not apply more than 7.2 lb. a.i. per acre per year of PPZ 41.8 Select™.
- Do not exceed 4 applications per year when applying at the highest rate (63 fl. oz./A) or 32 applications per year when applying at the lowest rate (8 fl. oz./A).
- Minimum Application Interval: 14 days
- Do not use this product a tree injection treatment.
- Do not use this product in greenhouses.
- Do not graze animals on treated areas.
- Do not feed clippings from treated areas to livestock or poultry.
- Chemigation: Do not apply this product through any type of irrigation system.
- Florida: Do not apply this product to bermudagrass golf course greens when temperatures exceed 90°F.

MIXING INSTRUCTIONS

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Fill the spray tank ½ - ¾ full with water. Add the proper amount of **PPZ 41.8 SelectTM** and then add the rest of the water. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

If **PPZ 41.8 SelectTM** is tank mixed with other products, use the following sequence:

- 1. Always check the compatibility of the tank mix using a jar test with proportionate amounts of **PPZ 41.8 SelectTM**, other chemicals to be used, and the water, before mixing in the spray tank.
- 2. Provide sufficient jet or mechanical agitation during filling and application to keep the tank mix uniformly suspended.
- 3. Fill the tank at least ½ full of clean water.
- 4. Add wettable powders to the tank first, allowing them to completely suspend in the tank before proceeding. This process can be hastened by premixing the product in water before adding to the tank.
- 5. Add flowables or suspensions next.
- Add PPZ 41.8 Select™ next.
- 7. Add emulsifiable concentrates last.
- 8. Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply them the same day.

Tank Mixes

For broader spectrum control, **PPZ 41.8 Select™** can be tank mixed with other fungicides.

TURFGRASS AND DICHONDRA DISEASE CONTROL

- USE PPZ 41.8 Select™ IN A PREVENTATIVE DISEASE CONTROL PROGRAM.
- 2. Apply in sufficient water to ensure thorough coverage.
- Apply after mowing OR allow sprayed area to completely dry before mowing.
- 4. For control of foliar diseases, allow sprayed area to completely dry before irrigation.
- 5. For control of soil-borne diseases, **PPZ 41.8 SelectTM** can be watered in after application.
- 6. Under conditions optimum for high disease pressure, use the higher listed rate and the shorter interval.
- 7. For optimum turf quality and disease control, use PPZ 41.8 Select** in conjunction with turf management practices that promote good plant health and optimum disease control.
- 8. Evaluate spray additives prior to use. Label directions are based on data obtained with no additives.
- 9. Before use of any fungicide, proper diagnosis of the organism causing the disease is important. Use of diagnostic kits or other means of identification of the disease organism is essential to determine the best control measures.

Turfgrass - Specific Diseases, Rates, and Application Timing

Disease	Fl. Oz. per 1,000 Sq. Ft.	Fl. Oz. Per Acre	Application Interval/Timing	Application Instructions
Dollar Spot (Sclerotinia homoeocarpa)	0.18	8.0	14 days	Apply when conditions are favorable for disease development.
	0.18	8.0	14 days	Tank mix with low label rate of a chlorothalonil that is EPA-registered for use on turfgrass.
	0.37	16	21-28 days	
	0.37-0.73	16-32	14-28 days	If using the 0.37-0.73 fl. oz./1,000 sq. ft. rate without tank mixing, make no more than 3 consecutive applications for dollar spot control before rotating to an alternate EPA-registered fungicide having a different mode of action.

(continued)

Turfgrass – Specific Diseases, Rates, and Application Timing (cont.)

Disease	Fl. Oz. per 1,000 Sq. Ft.	Fl. Oz. Per Acre	Application Interval/Timing	Application Instructions
Anthracnose (Colletotrichum graminicola)	0.37-0.73	16-32	14-28 days	Apply when conditions are favorable for disease development. When disease pressure is high, use higher listed rates of PPZ 41.8 SelectTM and shorter intervals. For broad-spectrum control, tank mix with a registered contact fungicide at the label rate.
				If disease is present, mix 0.73 fl. oz. of PPZ 41.8 Select™ per 1,000 sq. ft. with the label rate of the above mentioned contact fungicides.
Brown Patch (Rhizoctonia solani)	0.37-0.73	16-32	14-21 days	Begin applications in May or June before disease is present. Tank mix with a registered contact fungicide labeled for brown patch control at the label rate. Under conditions of high temperatures and high humidity, use the higher listed rates of PPZ 41.8 SelectTM and shorter intervals.
Powdery Mildew (Erysiphe graminis) Rust (Puccinia graminis)	0.37-0.73	16-32	14-28 days	Apply when conditions are favorable for disease development. If disease is present, use 0.73 fl. oz. of PPZ 41.8 Select™ per 1,000 sq. ft.
Red Thread (Laetisaria fuciformis) Pink Patch (Limonomyces roseipellis)	0.37	16	14-21 days	Apply when conditions are favorable for disease development.
Stripe Smut (Ustilago striiformis) (Urocystis agropyri)	0.37-0.73	16-32	Fall or Spring	Apply once in the fall after grass becomes dormant or in the early spring before grass starts to grow.
Gray Leaf Spot (Pyricularia grisea)	0.37-0.73	16-32	14 days	Apply when conditions are favorable for disease development. If using the 0.37 fl. oz./1,000 sq. ft. rate, tank mix with a registered contact fungicide at the label rate.
Melting Out Leaf Spot (Bipolaris spp.) (Drechslera spp.)	0.37-0.73	16-32	14 days	Under light to moderate pressure, apply PPZ 41.8 SelectTM to reduce the severity of leaf spot and melting. For broad-spectrum disease control, tank mix the 0.37 fl. oz. PPZ 41.8 SelectTM with a registered contact fungicide at the label rate.
				Tank mix the 0.37-0.73 fl. oz./1,000 sq. ft. PPZ 41.8 Select™ rate with a registered contact fungicide at the label rate.
Summer Patch,	0.73	32	14 days	Apply PPZ 41.8 Select™ beginning in April. Use the 1.45 fl. oz./1,000
Poa Patch (Magnaporthe poae)	1.45	63	28 days	sq. ft. rate on a 28-day schedule and the 0.73 fl. oz./1,000 sq. ft. rate on a 14-day schedule.
Take-All Patch (Gaeumannomyces graminis)	0.73-1.45	32-63	Spring and Fall	Apply PPZ 41.8 SelectTM to reduce the severity of take-all patch. Make 1 to 2 fall applications in September and October or when night temperatures drop to 55°F, and 1 to 2 spring applications in April and May, depending on local specifications.
Spring Dead Spot (<i>Leptosphaeria korrae, Leptosphaeria narmari, Ophiosphaerella herpotricha, Gaeumannomyces graminis</i>)	1.45	63	30 days	Make 1-3 applications. For 1 application, apply in September or October. For multiple applications, begin sprays in August.
Necrotic Ring Spot (Leptosphaeria korrae)	1.45	63	Fall or Spring	Apply in the fall and/or the early spring depending on local specifications.

(continued)

Turfgrass - Specific Diseases, Rates, and Application Timing (cont.)

Disease	Fl. Oz. per 1,000 Sq. Ft.	Fl. Oz. Per Acre	Application Interval/Timing	Application Instructions
Snow Mold Gray (Typhula spp.) Pink (Microdochium nivale)	0.73-1.45	32-63	Late Fall	Apply 1 application in the late fall before snow cover. Do not apply on top of snow. For optimum disease control, the 0.73 and 1.45 fl. oz. PPZ 41.8 SelectTM rates must be tank mixed with chlorothalonil at label rates.
Fusarium Patch (Fusarium nivale)	0.73-1.45	32-63	Fall – Early Spring	Apply when conditions are favorable for disease development.
Yellow Patch (Rhizoctonia cerealis)	1.10-1.45	48-63	Late Fall	Apply 1 application in the late fall before snow cover. If using 1.10 fl. oz./1,000 sq. ft. rate, tank mix with a registered contact fungicide at the label rate.
Zoysia Patch, Large patch of zoysia (<i>Rhizoctonia solani</i>)	1.10-1.45	48-63	Early Fall	Make 1 application in the early fall (mid-September to mid-October) prior to development of disease symptoms. Consult local turfgrass extension experts to determine optimum application timing for your area.

Dichondra - Specific Disease, Rate, and Application Timing

Disease	Fl. Oz. per 1,000 Sq. Ft.	Fl. Oz. Per Acre	Application Interval/ Timing	Application Instructions
Dichondra Rust (Puccinia dichondrae)	0.73	32	14-21 days	Apply when conditions are favorable for disease development.

Establishment of Cool Season Turfgrass

PPZ 41.8 Select™ provides control of many diseases of turf, and its primary use is as a fungicide for use against the diseases listed on this label. As an additional benefit, PPZ 41.8 Select™ will improve the rate of establishment when it is applied to cool season grass seedlings or sod.

New Seedlings: Apply 0.35 fl. oz./1,000 sq. ft. at the 2 to 3-leaf stage of growth for faster root development and top growth.

Sod: Apply 0.35 fl. oz./1,000 sq. ft. 2-6 weeks before cutting for increased sod knitting and faster establishment after laying. Observe a 7 day re-treatment interval between applications.

DISEASE CONTROL IN NURSERIES (FIELD) AND LANDSCAPE PLANTINGS

- 1. USE **PPZ 41.8 SelectTM** IN A PREVENTATIVE DISEASE CONTROL PROGRAM. To determine the use directions for controlling a disease on an ornamental plant species, select the species in Table 1. The number in parentheses following the plant species refers you to the disease(s) controlled in Table 2. Find the disease in Table 2. The letter in brackets following the disease refers you to the application regime in Table 3.
- 2. Allow spray to dry before overhead irrigation is applied.
- 3. Optimum benefit of **PPZ 41.8 Select™** is obtained when used in conjunction with sound disease management practices.

Product Instructions

PPZ 41.8 Select™ may be used at rates of 0.75-8.7 fl. oz./100 gals. water for control of diseases of ornamental plant species (see Tables 1, 2, and 3).

NOTE: For outdoor uses, you can apply up to 2.0 gallons of **PPZ 41.8 Select™**/acre/crop/calendar year.

For general disease control in landscapes, apply 2.2-3.0 fl. oz./100 gals. water every 21 days. For best control, begin **PPZ 41.8 SelectTM** applications before disease development.

Note: Plant tolerances to PPZ 41.8 SelectTM have been found acceptable for the specific genera and species of plants listed under the **Directions for Use**. Other plant species may be sensitive to PPZ 41.8 SelectTM and diseases other than those listed may not be controlled. Before using PPZ 41.8 SelectTM on plants or for diseases that are not listed in the **Directions For Use**, test PPZ 41.8 SelectTM on a small basis first. Do not apply PPZ 41.8 SelectTM to African violets, begonias, Boston fern, or geraniums. Apply the specified rates for a particular type of disease, i.e., rust, powdery mildew, etc., and evaluate for phytotoxicity and disease control prior to widespread use.

Table 1. Ornamentals - Plant SpeciesNumbers in parentheses refer to diseases controlled. See Table 2.

Herbaceous Ornamental	Woody Ornamental	Non-Bearing Fruits and Nuts (Nurseries and Landscape Plantings)
Calendula (4a)	Amelanchier (4d)	Apple (3q, 4d, 5a)
Carnation (5f)	Ash (4c)	Bartlett Pear (3q, 4c, 5a)
Chrysanthemum (2a)	Azalea (2c, 4b)	Cherry (2b, 3d)
Delphinium (4a)	Bayberry (3n)	Citrus (3m)
English Ivy (3e)	Camellia (3e)	Nectarine (2b)
Gomphrena (3a)	Cotoneaster (3i)	Peach (2b)
Impatiens (3a, 3b, 4a)	Crabapple (3c, 3q, 4c, 5a)	Pecan (3b, 3c, 3f, 3l, 3n, 4e)
Iris (5d)	Crape Myrtle (4a)	Plum (2b)
Marigold (3a)	Dogwood (3h, 4c)	Walnut (3j)
Monarda (4c)	Douglas Fir (5b)	
Phlox (4c)	Elm (4c)	
Snapdragon (5d)	Euonymus (3e, 4c)	
Sweet William (<i>Dianthus barbatus</i>) (3k)	Hawthorn (5a)	
Zinnia (4c)	Holly (3r)	
	Juniper (1a)	
	Lilac (4c)	
	Linden (3e, 3b, 4b)	
	Magnolia (3e, 4b)	
	Maple (3e, 4f)	
	Oaks (3p)	
	Pines (1b, 1c)	
	Poplars (5b)	
	Pyracantha (3o)	
	Red Tip Photinia (3i)	
	Rhaphiolepis (3e, 3i)	
	Rhododendron (2c, 3n)	
	Roses (Outdoor Use Only) (3g, 4e, 5c)	
	Shasta Fir (5e)	
	Sweetgum (3b, 3c, 3n)	
	Sycamore (3e)	
	Tulip Tree (3e, 4a)	
	Wax Myrtle (3n)	

Table 2. Diseases

Letters in brackets refer to application regimes. See Table 3.

- 1. Conifer Blights
 - a. Phomopsis juniperovora (Phomopsis Blight) [B]
 - b. Sirococcus strobilinus (Tip Blight) [D]
 - c. Sphaeropsis sapinea (Diplodia Tip Blight) [B]
- 2. Flower Blight
 - a. Ascochyta chrysanthemi (Ray Blight) [C]
 - b. Monilinia spp. [A]
 - c. Ovulinia spp. [B]
- 3. Leaf Blights/Spots
 - a. Alternaria spp. [B]
 - b. Cercospora spp. (Brown Leaf Spot) [C]
 - c. *Cladosporium* spp. (Scab) [C]
 - d. Coccomyces hiemalis [A]
 - e. Colletotrichum spp. [B]
 - f. Cristulariella spp. (Zonate Leaf Spot) [C]
 - g. Diplocarpon rosae (Blackspot) [B]
 - h. Discula spp. (Anthracnose) [A]
 - i. Fabraea maculata (syn. Entomosporium maculata) [B]
 - j. *Gnomonia leptostyla* (Anthracnose) [C]
 - k. Heterosporium echinulatum [B]
 - I. Mycosphaerella caryigena (Downy Spot) [C]
 - m. Mycosphaerella fructicola (Greasy Spot) [E]
 - n. Septoria spp. (Leaf Scorch) [C]
 - o. Spilocaea pyracanthae [B]
 - p. *Tubakia dryina* [D]
 - q. Venturia inaequalis (Scab) [A]
 - r. Rhizoctonia web blight [B]
- 4. Powdery Mildew
 - a. Erysiphe spp. [B]
 - b. Microsphaera spp. [C]
 - c. Oidium spp. [B]
 - d. Podosphaera spp. [B]
 - e. Sphaerotheca pannosa [B]
 - f. Phyllactinia spp. [B]
- 5. Rust
 - a. Gymnosporangium juniperi-virginianae [A]
 - b. *Melampsora occidentalis* [D]
 - c. Phragmidium spp. [B]
 - d. Puccinia spp. [B]
 - e. Pucciniastrum goeppertianum [D]
 - f. Uromyces dianthi [B]

Table 3. Application Regimes

- A. Mix 0.75-1.5 fl. oz. of **PPZ 41.8 SelectTM** in 100 gals. of water and apply as a full coverage spray to the point of drip. Apply every 14-21 days during the period of primary infection. If disease is present, tank mix with an EPA-registered contact fungicide. For flower blight, apply **PPZ 41.8 SelectTM** when there is 5-10% bloom and again at 70-100% bloom. For dogwoods, apply the 0.75-1.5 fl. oz. rate every 14 days, or apply 3 fl. oz. of **PPZ 41.8 SelectTM** every 28 days.
- B. Mix 1.8-3.0 fl. oz. of **PPZ 41.8 SelectTM** in 100 gals. of water and apply as a full coverage spray to the point of drip. Apply as needed, beginning when conditions are favorable for disease development. For blackspot, apply with a registered contact fungicide labeled for blackspot. For Calendula, apply every 30 days. For diplodia tip blight, make 3 applications every 14 days prior to major period of infection. For juniper phomopsis blight, make first application as soon as junipers start to grow, and repeat the applications every 14-21 days during periods of active growth.
- C. Mix 3-4.5 fl. oz. of **PPZ 41.8 SelectTM** in 100 gals. of water and apply as a full coverage spray to the point of drip. Apply every 30 days, beginning when conditions are favorable for disease development. For pecans, apply the 12 fl. oz. rate beginning at bud break. Apply 3 times on 14-day intervals. For walnuts, apply 3 fl. oz. at 14-21 day intervals. For ray blight, apply 4.5 fl. oz. at 7-day intervals or 7.5 fl. oz. at 14-day intervals. For impatiens, bayberry, linden, magnolia, sweetgum and wax myrtle, the maximum use rate is 8 fl. oz.
- D. Mix 6 fl. oz. of **PPZ 41.8 SelectTM** in 100 gals. of water and apply as a full coverage spray to the point of drip. Apply every 14-28 days, beginning when conditions are favorable for disease development. For Douglas fir needle rust, apply once in May. For tip blight, initial application is in mid-late winter, and apply 3 times at 2-month intervals.
- E. Mix 7.5-8.7 fl. oz. of **PPZ 41.8 SelectTM** in 100 gals. of water and apply as a full coverage spray to the point of drip. Apply during June to August time period.

Restriction: To avoid possible illegal residues, do not apply to apple, Bartlett pear, cherry, citrus, nectarine, peach, pecan, plum, or walnut trees that will bear harvestable fruit within 12 months.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in the original container in a cool place.

PESTICIDE DISPOSAL: Pesticide wastes may be toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

[(Nonrefillable container ≤ 5 gallons):] 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 ¼ 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. Then offer for recycling 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.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER.

ALMACENAMIENTO Y DESECHO

No contamine agua, comida ni forrajes mediante el almacenamiento y desecho.

ALMACENAMIENTO DE PESTICIDAS: Conservar en el envase original en un lugar fresco. **DESECHO DE PESTICIDAS:** Los residuos de pesticidas son muy peligrosos. La disposición inadecuada del pesticida sobrante, mezcla de aerosol o aguas de enjuague de contenedores, constituye una violación de la Ley Federal. Si estos residuos no pueden ser eliminados de acuerdo a las instrucciones de la etiqueta, contacte la agencia para el manejo de pesticidas o control ambiental de su estado, o el representante para el Manejo de Residuos Peligrosos de la Oficina Regional de la EPA más cercana para obtener indicaciones del proceso a seguir para su disposición.

MANIPULACIÓN DE RECIPIENTES:

Recipientes no recargables (≤ 5 galones): Recipientes no recargables. No reutilice ni rellene este recipiente. Enjuague tres veces el recipiente inmediatamente después de vaciarlo. Enjuague tres veces de la siguiente manera: Vacíe el contenido restante en el equipo de aplicación o en un tanque de mezcla y drene durante 10 segundos después de que el flujo comience a gotear. Llene 1/4 del recipiente con agua y vuelva a tapar. Agitar durante 10 segundos. Vierta el enjuague en el equipo de aplicación o en un tanque de mezcla o almacene el enjuague para su uso o eliminación posterior. Drene durante 10 segundos después de que el flujo comience a gotear. Repita este procedimiento dos veces más. Ofrecer para reciclaje si esta disponible o perfore y deseche en un relleno sanitario apropiado, o por incineración, o, si lo permiten las autoridades estatales y locales, mediante la quema. Si esta quemado, mantenerse alejado del humo.

EL RECIPIENTE NO ES SEGURO PARA ALIMENTOS, PIENSOS O AGUA POTABLE.

CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Prime Source, a division of Albaugh, LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Prime Source, a division of Albaugh, LLC and Seller harmless for any claims relating to such factors.

Prime Source, a division of Albaugh, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or Prime Source, a division of Albaugh, LLC, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, PRIME SOURCE, A DIVISION OF ALBAUGH, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither Prime Source, a division of Albaugh, LLC nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer, and the exclusive liability of prime source, a division of albaugh, LLC and seller for any and all claims, losses, injuries or damages (including claims based on Breach of Warranty, contract, negligence, tort, strict liability or otherwise) resulting from the use or handling of this product, shall be the return of the purchase price of the product or, at the election of prime source, a division of albaugh, LLC or seller, the replacement of the product.

Prime Source, a division of Albaugh, LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Prime Source, a division of Albaugh, LLC.

All trademarks are the property of their respective owners.