



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

October 9, 2015

Mr. Michael R. Russo
MacDermid Agricultural Solutions, Inc.
245 Freight Street
Waterbury, Connecticut 06702-1818

Subject: Label Amendment – Lower application rate for suppression of Bacterial Wilt
Product Name: Royal MH-30 SG
EPA Registration Number: 400-165
Application Date: 8/20/15
Decision Number: 508834

Dear Mr. Russo:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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

Page 2 of 2
EPA Reg. No. 400-165
Decision No. 508834

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Banza Djapao at 703-305-7269 or by email at djapao.banza@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Shaja B. Joyner". The signature is fluid and cursive, with a stylized "S" at the beginning and a "for" written at the end.

Shaja B. Joyner, Product Manager 20
Fungicide and Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

Royal MH-30[®] SG



**Water Soluble Granule
Growth Regulator - with Sorbatran[®]**
**For Tobacco, Potatoes, Onions, Fallow Land,
Grass and Ornamentals.**

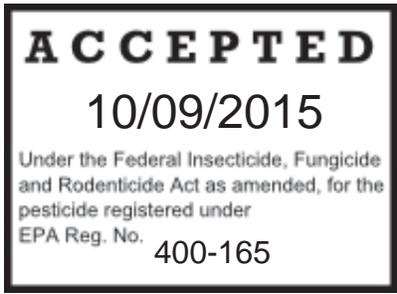
**Net
Contents:**

Active Ingredient: (% by weight)
maleic hydrazide, potassium salt (CAS No. 28382-15-2)
(1,2-dihydro-3,6-pyridazinedione, potassium salt)..... 80.0%*
Inert Ingredients:..... 20.0%
Total:..... 100.0%

*Contains 60% maleic hydrazide by weight.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID	
IF ON SKIN OR ON CLOTHING	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 to 20 minutes.• Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. 24 HOUR EMERGENCY PHONE 1-866-928-0789	
For PRODUCT USE INFORMATION: Call 1-866-761-9397	



EPA REG. NO. 400-165
EPA EST. NO.
013

Manufactured for:
MacDermid Agricultural Solutions, Inc.
245 Freight Street
Waterbury, CT 06702-1818

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below.

Applicators and Other Handlers Must Wear: long-sleeved shirt and long pants; chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride; shoes plus socks.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

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 immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove personal protective equipment 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

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment washwaters.

Under some conditions, maleic hydrazide may have a significant potential for runoff into surface water (primarily via dissolution in runoff water), for several days post-application. Conditions favoring runoff include poorly draining soils or wet soils with readily visible slopes, frequently flooded areas, areas where an intense or sustained rainfall is forecast to occur within 48 hours, areas overlying extremely shallow ground water, and areas overlying tile drainage systems that flow to surface water.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all label directions carefully before use.

Do not apply this product through any type of irrigation system.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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**.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

coveralls; chemical-resistant gloves made of any waterproof material; shoes plus socks

MIXING INSTRUCTIONS

ROYAL MH-30 SG must be dissolved first if it is to be tank mixed with an insecticide or fungicide.

1. Be sure sprayer is clean and not contaminated with any material.
2. Fill tank $\frac{3}{4}$ full with clean water, and start agitation.
3. Pour ROYAL MH-30 SG slowly from bag into tank. Avoid dumping contents all at once.
4. Allow 2 to 3 minutes agitation for dissolving.
5. Add compatible tank mix insecticide or fungicide if needed and appropriate. See Application Notes for additional compatibility information.
6. Complete filling tank.

DIRECTIONS FOR USE: TOBACCO

BENEFITS

To prevent sucker development on flue-cured, burley, dark, Maryland and cigar (Pennsylvania and Wisconsin) tobacco.

Applications of ROYAL MH-30[®] SG can influence the severity of bacterial wilt on tobacco during topping and harvesting. Disease suppression is dependent on timing of MH application.

PRODUCT INFORMATION

ROYAL MH-30[®] SG is a potassium salt formulation of maleic hydrazide used to prevent sucker development in tobacco. Because ROYAL MH-30 SG is absorbed and moves inside the tobacco plant, spraying the whole plant is not necessary. See APPLICATION NOTES for important additional information.

APPLICATION EQUIPMENT

Best results are obtained when ROYAL MH-30 SG is applied to the upper $\frac{1}{3}$ to $\frac{1}{2}$ of the plant. To obtain satisfactory control, it is very important to apply equal amounts of ROYAL MH-30 SG to each plant, at the correct time.

Flue-Cured Tobacco

Apply ROYAL MH-30 SG with powered spray equipment. Sprayers with 3 full cone nozzles per row, applying either a coarse spray (i.e. 20 to 30 psi) or a fine spray (40 to 50 psi), will give equivalent sucker control. **Do not use drop nozzles**, since such systems can deposit undesired spray on the underside of the leaves or on the lowest leaves, which are harvested first.

Suppression of Bacterial Wilt

Apply 2.5-3.75 pounds of ROYAL MH-30 SG per acre in 50 gallons volume per acre within 12 hours or less after first leaf removal (i.e., after 1st harvest) for reduction and suppression of bacterial wilt.

Burley, Maryland, Dark and Cigar (Pennsylvania and Wisconsin) Tobacco

Apply ROYAL MH-30 SG with motorized field sprayers (high-clearance or tractor-mounted) equipped with solid cone nozzles that deliver a coarse spray at 20 to 30 psi in a uniform spray pattern. For example, application may be made with a broadcast arrangement over the row on 20 to 24 inch boom spacings, or with a three solid cone nozzle arrangement directed over the row.

ROYAL MH-30 SG may also be applied with hand-held equipment, provided that a uniform spray pattern is delivered.

With any sprayer setup, the application must provide good, uniform coverage of the crop.

RATE AND TIMING OF APPLICATION

Apply the higher rate of ROYAL MH-30 SG when plants are very vigorous. Always remove any suckers present at topping time.

Flue-Cured Tobacco

Apply 4 to 5 pounds of ROYAL MH-30 SG in 40 to 50 gallons of water per acre as a coarse or fine spray. Application should be made 5 to 7 days after the last contact treatment, or when the uppermost harvestable leaves are a minimum of 8 inches long.

Burley and Maryland Tobacco

Top and sucker the plants when 10 to 25% of the plants in the field have one open flower. Remove all existing suckers, and apply ROYAL MH-30 SG within 24 hours, at a rate of 4 to 5 pounds of product in 50 gallons of water per acre. Tip leaves to be harvested should be at least 8 inches long at time of topping, suckering and ROYAL MH-30 SG application.

Dark Tobacco

Apply 4 to 5 pounds of ROYAL MH-30 SG in 50 gallons of water per acre. Apply ROYAL MH-30 SG within 24 hours after topping. Topping should be done when 10 to 25% of the plants in the field have one open flower. Existing suckers should be removed at topping time.

Wisconsin Cigar Tobacco

Apply 4 to 5 pounds of ROYAL MH-30 SG in 50 gallons of water per acre. Apply ROYAL MH-30 SG within 24 hours after topping. Tobacco should be topped between the time when the first flowers open and not later than when 50% of the plants are in flower. Existing suckers should be removed at topping time.

Pennsylvania Cigar Tobacco

Apply 4 to 5 pounds of ROYAL MH-30 SG in 50 gallons of water per acre. Apply ROYAL MH-30 SG within 24 hours of topping. Topping should be done when 25 to 50% of the plants in the field have one open flower. Existing suckers should be removed at topping time.

APPLICATION NOTES: TOBACCO

1. Always follow dosage recommendations carefully and spray field uniformly. Too little ROYAL MH-30 SG may result in less than desired sucker control; too much may reduce quality of tips.
2. Use only one application of ROYAL MH-30 SG per year, unless rains occur within 6 hours after application. Should washoff occur within 6 hours, a single repeat application may be made to ensure effective sucker control.

3. To control tobacco suckers effectively, apply ROYAL MH-30 SG at the proper time. Spraying too early in the season may prevent normal development of top leaves; spraying too late will allow some sucker growth.
4. Do not tank mix ROYAL MH-30 SG with other fungicides and insecticides. If used apply separately.
5. Do not use on tobacco plants grown for seed production.
6. Do not spray tobacco in the middle of hot, dry days when leaves are severely wilted. For best results spray during the early morning, or all day on cloudy days, avoiding late afternoon or night applications.
7. Closely hand-suckered tobacco or tobacco treated with ROYAL MH-30 SG will not ripen as rapidly as poorly suckered tobacco. Also, under some conditions ROYAL MH-30 SG treated tips have a tendency to turn yellow prematurely. This is not harmful and does not mean that your tobacco is ripe. Therefore, do not harvest tobacco treated with ROYAL MH-30 SG by using time and color of the leaves as your only guide to ripeness. Use other characteristic indicative of ripeness such as:
 - a. Fading of color from midrib.
 - b. Change in apparent leaf texture.
8. If tobacco plants have been grown under drought conditions, absorption of ROYAL MH-30 SG may be slow, and results may not be as good as when plants have been grown under normal conditions.
9. Allow at least 7 days after application before harvest.
10. Even though ROYAL MH-30 SG is non-volatile, no drift should be permitted onto nearby crops.

DIRECTIONS FOR USE: POTATOES

PRODUCT INFORMATION

ROYAL MH-30® SG is a potassium salt formulation of maleic hydrazide used on potatoes for control of tuber sprouting in storage and other benefits. To allow translocation of chemical down to the tubers, ROYAL MH-30 SG should be applied after tubers are formed and while vines are still green and are free from insects, diseases or other disorders. See APPLICATION NOTES for additional important information.

FOR USE ON POTATOES EAST OF THE ROCKY MOUNTAINS

BENEFITS

May Improve Grade

ROYAL MH-30 SG may improve the grade of potatoes, especially Russet Burbank variety, if the application is made prior to any secondary tuber formation.

Sprout Control

ROYAL MH-30 SG will control sprouting of potatoes in storage. However, ROYAL MH-30 SG will not make a poor-keeping potato such as Norgold or Norchip store as well as a good-keeping variety.

Undersize Potatoes

ROYAL MH-30 SG will help reduce any additional "sets" of potatoes, thus decreasing the number of undersized potatoes in the field at harvest.

Reduces Shrinkage

ROYAL MH-30 SG applications can reduce shrinkage in storage up to 15 percent.

Reduction of Volunteer Potatoes

ROYAL MH-30 SG will reduce the number of volunteer potatoes the following spring because of its ability to control sprouting.

TIMING OF APPLICATION

Timing of application may occur as early as 2 to 3 weeks past full bloom, when the primary and secondary inflorescences have lost most of their flowers and a few third order inflorescences and buds are present. This occurs when a few lower leaves show a yellow color. APPLICATION PRIOR TO THIS TIME MAY RESULT IN PHYTOTOXICITY AND REDUCED TUBER SIZE. The following tuber sizes may also be used as a guide, provided the above conditions have been met:

Russet Burbank and other Russet (elongated) types

The smallest tubers that will reach the harvestable size should be 1.5 to 2 inches in diameter and elongating at the time of spraying, except for Norgold, which must be at least 2 inches in diameter at the time of spraying.

Other varieties (round types)

The smallest tubers that will reach the harvestable size should be 1.5 inch in diameter at the time of spraying, except for Norchip, which must be at least 2 inches in diameter at the time of spraying.

RATE OF APPLICATION

Ground Application

Use 5 pounds of ROYAL MH-30 SG per acre in a minimum of 30 gallons of water per acre.

Aerial Application

Use 5 pounds of ROYAL MH-30 SG per acre in a sufficient quantity of water to gain complete and uniform coverage. Do not fly at heights of less than 8 to 12 feet. Maintaining this height will give more uniform coverage and aid in preventing excessive build up of chemical on the left side of the treated swath. These heights should be reduced if cross-wind velocities exceed 2 to 4 MPH.

FOR USE ON POTATOES WEST OF THE ROCKY MOUNTAINS

BENEFITS

May Improve Grade

ROYAL MH-30 SG may improve the grade of potatoes if the application is made prior to any secondary tuber growth.

Sprout Control

ROYAL MH-30 SG will control sprouting of potatoes in storage. However, ROYAL MH-30 SG will not make a poor-keeping variety store as well as a good-keeping variety.

Reduces Shrinkage

ROYAL MH-30 SG applications can reduce shrinkage in storage up to 15 percent.

Reduction of Volunteer Potatoes

ROYAL MH-30 SG will reduce the number of volunteer potatoes the following spring because of its ability to control sprouting.

TIMING OF APPLICATION

ROYAL MH-30 SG should be applied when the smallest tubers that you want to harvest are 2 to 2.5 inches in diameter or about 2 to 2.5 ounces in weight. This usually occurs about 3 to 4 weeks after full bloom or 11 to 12 weeks after emergence on the Russet Burbank variety. The smallest tubers that are required to reach marketable size should be starting to elongate on Russet Burbank or similar varieties at the time of treatment. APPLICATION PRIOR TO THIS TIME MAY RESULT IN PHYTOTOXICITY AND REDUCED TUBER SIZE. If vines are to be desiccated, apply ROYAL MH-30 SG at least 2 weeks prior to vine desiccation for good sprout control and storage benefits. DO NOT APPLY TO POTATO PLANTS THAT ARE UNDER STRESS.

RATE OF APPLICATION

Ground Application

Use 5 pounds of ROYAL MH-30 SG per acre in a minimum of 30 gallons of water per acre.

Aerial Application

Use 5 pounds of ROYAL MH-30 SG per acre in a minimum of 10 gallons of water per acre. Do not fly at heights of less than 8 to 12 feet. Maintaining this height will give more uniform coverage and aid in preventing excessive build up of chemical on the left side of the treated swath. These heights should be reduced if cross-wind velocities exceed 2 to 4 MPH.

DIRECTIONS FOR USE: ONIONS

PRODUCT INFORMATION

ROYAL MH-30® SG will control sprouting in storage of onions (dry bulb), shallots (dry bulb) and garlic. See APPLICATION NOTES for additional important information.

TIMING OF APPLICATION

Green tops are essential for the absorption and effectiveness of this product.

ROYAL MH-30 SG should be applied when the bulbs are fully mature, have at least 5 to 8 green leaves, and necks soft enough for the tops to fall if they have not already done so. The spray is often applied when 50 percent of the tops have fallen but all tops are still green. This condition usually occurs about 10 to 14 days before harvest time.

NOTE: Avoid spraying edible onions too early. If spraying is done earlier than two weeks before maturity, spongy bulbs may result.

RATE OF APPLICATION

Ground Application

Use 3.33 pounds of ROYAL MH-30 SG per acre in a minimum of 30 gallons of water per acre.

Aerial Application

Use 3.33 pounds of ROYAL MH-30 SG per acre in a minimum of 10 gallons of water per acre. Do not fly at heights of less than 8 to 12 feet. Maintaining this height will give more uniform coverage and aid in preventing excessive build-up of chemical on the left side of the treated swath. These heights should be reduced if cross-wind velocities exceed 2 to 4 MPH.

ONION VARIETIES

Use of ROYAL MH-30 SG should be combined with selection of a good-keeping variety. Do not apply to onion varieties with poor-keeping quality. ROYAL MH-30 SG will not make a poor-keeping variety store as well as a good-keeping variety.

SPRAY ADJUVANTS FOR ONIONS

West of the Rocky Mountains: Use a commercial non-ionic surfactant similar to X-77® or R-11® at the rate of 1 quart per 100 gallons of spray solution in arid sections of the U.S. Such products may help provide better coverage and aid in translocation of ROYAL MH-30 SG. The commercial surfactant must be cleared for application to growing crops.

East of the Rocky Mountains: Do not use surfactants.

®X-77 is a registered trademark of Loveland Industries, Inc.

®R-11 is a registered trademark of Wilbur-Ellis Company.

APPLICATION NOTES: POTATOES AND ONIONS

1. Always follow dosage recommendations carefully and spray field uniformly. Uniform and complete coverage is essential for satisfactory results.
2. Uneven application may result in bud end cracking and/or "elephant hide" on potato tubers.
3. To obtain desired results, plants should not be stressed from either too little or excessive water before or after application.
4. Do not use on potato plants grown for seed production.
5. Use only one application of ROYAL MH-30 SG per year.
6. Spray potatoes or onions at least 24 hours before rain or applying overhead irrigation. Rain or overhead irrigation occurring within 24 hours after application may reduce effectiveness.

7. At least a 2-week interval should be allowed between a ROYAL MH-30 SG application to potatoes and the use of a vine desiccant.
8. Although ROYAL MH-30 SG is non-volatile, no drift should be permitted onto nearby crops. Particular care should be taken to prevent drift when aerial applications are being made.
9. TEMPERATURE: ROYAL MH-30 SG should be applied at temperatures below 85°F or at temperatures below 80°F if the temperature is expected to exceed 85°F later that day. ROYAL MH-30 SG is water soluble and under high temperature and low humidity conditions will crystallize on the leaf surface and will not be readily absorbed into the plant.
10. SPRAY ADJUVANTS: For potatoes, do not add additional wetting agents or commercial spray adjuvants to ROYAL MH-30 SG spray solutions. For onions, see Directions for Use.
11. Do not tank mix ROYAL MH-30 SG with other fungicides and insecticides. If used apply separately.
12. Occasional injury to the terminal growth of potato foliage has been observed following the application of ROYAL MH-30 SG. However, trials and usage indicate that this does not adversely affect the yield or the quality of the potato tubers at harvest, provided that the product has been applied according to label directions.

DIRECTIONS FOR USE: TURF

BENEFITS: TO CONTROL THE GROWTH OF PERENNIAL GRASSES ON COMMERCIAL TURF LOCATIONS

PRODUCT INFORMATION

ROYAL MH-30® SG is used mostly as a substitute for mechanical mowing on commercial turf locations such as hard-to-mow areas along highways, airports property, military installations, Federal, state and municipal properties, industrial areas, golf course roughs and similar areas. It can be used for grass inhibition on all turf areas except on fine lawns (where esthetic appearance is more important than reducing a maintenance chore) and on those areas under heavy foot traffic (such as golf course fairways and greens, except for *Poa annua* control).

Perennial grasses effectively retarded by ROYAL MH-30 SG include bluegrasses, fescues, bromegrass, orchardgrass, quackgrass, perennial rye, ryegrass and bahiagrass (not for use on bahiagrass in California). Bentgrass can be inhibited, but may be discolored. ROYAL MH-30 SG will injure St. Augustinegrass and should not be used on that species.

The growth regulating action of ROYAL MH-30 SG greatly reduces or prevents seed stalk and seed head formation and slows leaf growth. If the application is timed properly, no significant growth will occur for several weeks after the treatment. As the effect gradually wears off, the turf may grow to 6 to 12 inches in height by the end of the growing season.

See APPLICATION NOTES for additional important information.

APPLICATION EQUIPMENT

Applications may be made with standard booms using flat fan type nozzle tips in the 80° series (i.e. 8003, 8004) placed on 10 inch centers and turned 45° out from the boom line. This spacing allows 50% overlap when the boom is 18 to 20 inches above the grass and a uniform spray pattern. Applications may also be made with off center nozzle systems. Because accurate calibration is required, use of low speed speedometers is recommended. Spraying should not be done on excessively windy days.

TIMING OF APPLICATION

ONE APPLICATION PER YEAR EITHER SPRING OR AUTUMN SHOULD BE USED. At either time, the area to be treated must be green and actively growing. Turf to be treated must be free of leaf cover or other debris that would prevent direct contact of the spray with the grass.

SPRING: For the best growth control, apply spring treatments when grass is 2 to 3 inches tall. This timing usually occurs just before and during early dandelion or forsythia bloom. If this timing period is missed and the grass reaches a height of 6 inches or more, spray and then mow 5 to 7 days later. UNDER NO CONDITIONS SHOULD GRASS BE CUT SHORTER THAN 3 TO 4 INCHES. Because the grass growth rate is greatly reduced by a ROYAL MH-30 SG treatment, a short cut may produce a scalped or light brown effect, especially if dry weather follows.

AUTUMN: ROYAL MH-30 SG may instead be applied late in the growing season to reduce grass growth the following spring. Treatment should be made while grass is still green and before it becomes dormant (usually during October). An additional benefit of autumn treatment is control of wild onion, garlic and biennial weeds such as dandelion and plantain. Because grass growth is inhibited the following spring, the area will green up about two weeks later than untreated turf.

RATE OF APPLICATION

Apply 7 to 10 pounds of ROYAL MH-30 SG in 30 to 50 gallons of water per acre. Use the higher rate for autumn applications and when a longer period of retardation is desired.

On grass where broadleaf growth is a problem, ROYAL MH-30 SG may be used in a tank-mix combination with low volatile ester or amine formulations of 2,4-D. One pound of 2,4-D active ingredient per acre should be used with ROYAL MH-30 SG in most spring applications. Carefully follow dosage and precautionary information of the 2,4-D label. If weeds have not emerged at time of ROYAL MH-30 SG application a separate, later spray of 2,4-D is recommended to control these weeds.

USES ON SPECIAL TURF GRASS AREAS

A. Golf Course Fairways: ROYAL MH-30 SG can be used to reduce *Poa annua* (annual bluegrass) in golf course fairways. Recommended procedure is to first mow area twice in normal sequence (usually 5 to 6 days apart). When third mowing is needed **and before first *Poa annua* seed heads appear**, apply 1.25 pounds of ROYAL MH-30 SG in 30 to 40 gallons of water per acre. Do not use over 40 gallons per acre as effectiveness may be reduced. The effect of this treatment should be evident in 8 to 10 days, showing up as a reduction in *Poa annua* reseeding with little retardation of desirable grass growth.

B. Overseeding Ryegrass In Bermudagrass: Excessive bermudagrass growth on golf greens and fairways is frequently a problem in the fall after verticutting, fertilization, overseeding and top dressing. Apply ROYAL MH-30 SG in late September or early October to inhibit the growth of bermudagrass and enable ryegrass or other grasses to produce a good stand. Use 3.75 pounds of ROYAL MH-30 SG in 50 gallons of water per acre. ROYAL MH-30 SG should be applied with a calibrated boom. The bermudagrass must be in good condition. Overseed no sooner than 48 hours after ROYAL MH-30 SG application.

C. Home Lawns: ROYAL MH-30 SG IS NOT RECOMMENDED AS AN OVERALL TREATMENT FOR PRIME LAWNS OR OTHER FINE TURF AREAS. However, ROYAL MH-30 SG may be used as a band or edge treatment of lawn areas where it is difficult to trim mechanically. Examples: along walls, around trees, rocks, etc.

SPECIAL NOTE: Because it is difficult to apply ROYAL MH-30 SG at a uniform rate and dosage to small areas, some color modification may occur. Any slightly abnormal color of the treated area is temporary. At times, the treated grass actually is a greener color than untreated turf.

Do not apply ROYAL MH-30 SG during the summer or at other times when permanent grasses are dormant (example: under drought conditions).

DIRECTIONS FOR USE: ORNAMENTAL SHRUBS AND TREES

BENEFITS: TO RETARD THE GROWTH OF CERTAIN ORNAMENTALS

PRODUCT INFORMATION

ROYAL MH-30® SG can be used to suppress excessive vegetative growth and reduce the need to mechanically prune or shear many ornamental shrubs and trees. See APPLICATION NOTES for additional important information.

The following **trees** can be treated with ROYAL MH-30 SG:

Acacia, Black	Dogwood	Mulberry
Alder	Elderberry	Oak
Ash	Elm	Pine, Monterey
Bay (California Laurel)	Eucalyptus	Plane (Sycamore)
Birch	Fir, Douglas	Poplar
Box-Elder	Linden	Redbud, Western
Brevillea Silk Oak	Liquid Amber (Sweet Gum)	Redwood
Buckeye, California	Madrone	Walnut
Catalupa	Manzanita	Wax-Myrtle, California
Cypress, Monterey	Maple	Willow, Black

ROYAL MH-30 SG will effectively retard excessive vegetative growth on the following **shrubs**:

Cissus	Myrtus	Pyracantha
Eugenia	Pittosporum	Viburnum
Forsythia	Privet	Xylosoma
Honeysuckle		

ROYAL MH-30 SG may be used to inhibit the growth of **Hahn** and **Algerian Ivy**. A special use for ROYAL MH-30 SG is for weed control in **Ice Plant**. It may be used for both emerged broadleaf weed and annual grass control without injury to the herbaceous growth.

TIMING OF APPLICATION

Best results are obtained when spray is applied to green, vigorous new growth. On trees, new leaves should be fully expanded when treatment is made. ROYAL MH-30 SG should be used only once a year: either in spring, after new growth has started; or in early summer, after pruning when new regrowth is about 2 to 4 inches long.

The best procedure is to apply to plants that have been previously pruned into the desired shape. Some regrowth should be allowed before treatment to hide fresh cut ends of limbs or stems to prevent a barren appearance of the treated plant. ROYAL MH-30 SG should only be used on vigorous, healthy plants.

All areas to be inhibited should be sprayed to drip-point covering all surfaces of leaves and stems. See specific application volumes below. If only one section of a tree is to be controlled, spray just that section and normal growth will continue in the unsprayed sections. Do not spray where wind velocity exceeds 15 mph. Drift should not go on nearby crops.

RATE OF APPLICATION

ROYAL MH-30 SG is recommended at a rate of 4 to 5 pounds per 100 gallons of water for all tree, shrub, ivy and ice plant uses. Use the higher rate on plants that are more vigorous.

The rates of ROYAL MH-30 SG are based on the use of a standard 200 gallons per acre of diluted spray for mature trees, 100 gallons per acre for full-size shrubs, and 50 gallons per acre for ivy and ice plant.

DIRECTIONS FOR USE: FALLOW LAND

(Not Approved for Use In Arizona or California)

A. TO CONTROL SILVERLEAF NIGHTSHADE

PRODUCT INFORMATION

Silverleaf Nightshade (*Solanum elaeagnifolium*) is a troublesome perennial weed that overwinters and may compete with subsequent crops and cultivations. ROYAL MH-30® SG may be applied to Silverleaf Nightshade in the fall, after the season's crop is harvested. The effect on the weed obtained is no subsequent growth and eventual kill the following spring. See APPLICATION NOTES for additional important information.

TIMING OF APPLICATION

Apply to Silverleaf Nightshade during periods of active growth but after crop harvest. It may be applied to Silverleaf Nightshade anytime during bloom.

RATE OF APPLICATION

Apply 15 pounds of ROYAL MH-30 SG in 10 to 20 gallons of water per acre.

B. TO CONTROL RED RICE

GENERAL INFORMATION

Red Rice is a troublesome annual weed in the management of fallow land, because it competes with subsequent crop production, particularly rice. Foliar application of ROYAL MH-30 SG reduces Red Rice seedhead and seed production, thereby reducing the potential for infestation of subsequent crops.

TIMING OF APPLICATION

Apply to Red Rice after panicle differentiation, up until the boot stage.

RATE OF APPLICATION

For suppression of Red Rice seed and seedheads, apply 2.5 pounds of ROYAL MH-30 SG in 10 to 20 gallons of water per acre.

NOTE: DO NOT GRAZE TREATED AREAS OR FEED TREATED FORAGE TO LIVESTOCK. DO NOT PLANT FOOD OR FEED CROPS WITHIN 6 MONTHS AFTER APPLICATION.

APPLICATION NOTES:

TURF, ORNAMENTALS AND FALLOW LAND

1. Always follow dosage recommendations carefully and spray area uniformly. Uniform and complete coverage is essential for satisfactory results.
2. Use only one application of ROYAL MH-30 SG per year.
3. All turf areas to be treated should contain well-established perennial grasses at least three years old.
4. Apply only to green vigorous plants.
5. To obtain desired results, plants should not be stressed from either too little or excessive water before or after application.
6. Do not apply this product through any type of irrigation system.
7. Time treatment to be at least 12 hours before rain or overhead irrigation. Rain or overhead irrigation occurring within 12 hours after application may result in incomplete absorption of this product and may reduce effectiveness.
8. Although ROYAL MH-30 SG is non-volatile, no drift should be permitted onto nearby crops.
9. SPRAY ADJUVANTS: Do not add additional wetting agents or commercial spray adjuvants to ROYAL MH-30 SG spray solutions.
10. DO NOT PASTURE LIVESTOCK IN, OR CUT HAY FROM, TREATED AREAS.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in the original container only. After partial use, close container tightly. Store in a secure place that is temperate and dry.

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

CONTAINER DISPOSAL: Nonrefillable container. Do not refill or reuse. Offer for recycling, if available.

Bags or fiber cartons with liners: Completely empty liner or bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner or bag in a sanitary landfill, or by incineration if permitted by State and local authorities. Dispose of carton in the same manner.

IMPORTANT NOTICE—Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, to the extent consistent with applicable law, **but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product, contrary to label instructions, or under conditions not reasonably foreseeable to seller, and the buyer assumes the risk of any such use.**

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for its proprietary spray adjuvant.

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