FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF WASHINGTON

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the EPA registered label. This labeling must be in the possession of the user at the time of pesticide application.

GENERAL INFORMATION

Galigan 2E herbicide is recommended for late preemergence through early postemergence control/suppression of annual broadleaf weeds, annual grasses, and the seedling stage of perennial grasses, including volunteer seedlings in perennial grasses grown for seed. A minimum of 12 months of good growing conditions is required from time of planting new stands of perennial grass or until the perennial grass in sufficiently well established (a minimum of six tillers or more) to be treated with Galigan 2E herbicide.

DOSAGE AND APPLICATION TIMING

Galigan 2E is recommended at the following rates (by crop):

**Kentucky bluegrass, tall fescue, orchardgrass, bentgrass, perennial ryegrass**

A maximum of 24 ounces of Galigan 2E (0.375 lb. active) may be applied after harvest. A single application of 8 to 24 ounces of Galigan 2E (0.125 to 0.375 lb. active) per acre may be made. The maximum rate of 24 ounces of Galigan 2E may be split and the initial application should be applied before the weed (or grass) seedlings to be controlled exceed the 2-leaf growth stage and no later than December 15. The final application must be completed prior to January 15.

Early treatment is important for control of seedling grasses. Apply Galigan 2E at the onset of grass seed germination during the initial fall rains or fall sprinkler irrigation (late preemergence) or at the 1-leaf growth stage (early postemergence) may provide somewhat better control of volunteer crop seedlings than applications at the 2-leaf stage. Ample soil moisture soon after application is required for optimum performance against seedling grasses.

Applications to seedling grasses between the 2- and 6-leaf stage may result in partial control, varying with species. Single applications made to seedling between the 2- and 6-leaf growth stages will cause injury and stunting, but re-growth will generally occur. If seedling have not died within three to four weeks after treatment with Galigan 2E herbicide and healthy green re-growth is visible, a second application may be needed.

Galigan 2E herbicide will not control established perennial grasses or seedlings of most annual and perennial grasses beyond the six-leaf stage.

Tank mixtures and/or sequential applications of Galigan 2E with other herbicide products registered for use on grasses grown for seed in Washington may result in increased crop response, injury, or stand loss. If a tank mixture is to be applied, applications should be made only to healthy, vigorous stands of perennial grasses. The decision to apply a tank mixture containing Galigan 2E herbicide is at the sole discretion of the grower and at the grower's risk.

**SURFACTANT:** An 80% active nonionic surfactant cleared for application to growing crops may be added at a rate of 0.12 to 0.5% spray volume for improved control of emerged seedlings.

**CROP TOLERANCE**

The application of Galigan 2E herbicide to established perennial grass will result in a chlorosis (yellowing) of the vegetation within two weeks after treatment. Some crop response symptoms may be present for up to three months following application. The use of Galigan 2E herbicide may also result in a substantial reduction in vegetative growth by perennial grasses during the winter. Leaf chlorosis and reduction of vegetative growth is a typical and normal response, and seed yield of healthy, vigorous perennial grasses has not been affected by fall application of Galigan 2E herbicide. It is accepted by the grower that conditions under which seed yield may be reduced are not fully understood. **DO NOT GRAZE FIELDS WITHIN 150 DAYS OF TREATMENT THAT HAVE BEEN TREATED WITH GALIGAN 2E HERBICIDE AS ILLEGAL RESIDUES MAY BE PRESENT IN THE VEGETATIVE FOLIAGE.** Grazing may also magnify crop injury and reduce the seed yield.
Crop tolerance to Galigan 2E herbicide can be improved by limiting the amount of leaf tissue present on the established perennial grass at time of application by such methods as propane flaming, intensive mechanical clipping (crew cutting), or livestock grazing prior to application.

**WEEDS SUPPRESSED AND/OR CONTROLLED**

Galigan 2E herbicide will provide control or suppression of the following weeds and volunteer crops when applied between the onset of germination and the 2-leaf seedling growth stage:

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BENTGRASS, COLONIAL</td>
<td>Agrostis tenius</td>
</tr>
<tr>
<td>BLUEGRASS, ANNUAL</td>
<td>Poa annua</td>
</tr>
<tr>
<td>BLUEGRASS, KENTUCKY</td>
<td>Poa pratensis</td>
</tr>
<tr>
<td>BLUEGRASS, ROUGHSTALK</td>
<td>Poa trivialis</td>
</tr>
<tr>
<td>*BROME, CALIFORNIA (mountain)</td>
<td>Bromus carinatus</td>
</tr>
<tr>
<td>FESCUE, FINE (creeping red and Chewing)</td>
<td>Festuca rubra</td>
</tr>
<tr>
<td>FESCUE, HARD</td>
<td>Festuca longifolia</td>
</tr>
<tr>
<td>FESCUE, RATTAIL</td>
<td>Vulpia myuros</td>
</tr>
<tr>
<td>FESCUE, TALL</td>
<td>Festuca arundinacea</td>
</tr>
<tr>
<td>ORCHARDGRASS</td>
<td>Dactylis glomerata</td>
</tr>
<tr>
<td>*RYEGRASS, ITALIAN</td>
<td>Lolium multiflorum</td>
</tr>
<tr>
<td>*RYEGRASS, PERENNIAL</td>
<td>Lolium perenne</td>
</tr>
</tbody>
</table>

*These species are suppressed but not fully controlled by Galigan 2E herbicide.

Galigan 2E herbicide will not control/suppress established perennial grasses or seedlings of most annual and perennial grasses beyond the 6-leaf stage. Tank mixtures of Galigan 2E with other registered herbicides may result in enhanced crop injury. If a tank mixture is to be applied, applications should be made only to healthy, vigorous stands of perennial grass. The decision to apply a tank mixture containing Galigan 2E herbicide is at the sole discretion of the grower and at the grower’s risk.

**METHOD OF APPLICATION**

Apply as a broadcast application in a minimum spray volume of 20 gallons of water per acre. Use conventional ground spray equipment with flat fan spray nozzles at a minimum spray pressure of 30 psi. Do no exceed maximum spray pressure of 60 psi. Spray equipment should be calibrated carefully before each use.

**MIXING DIRECTIONS**

Fill the spray tank at least one-third full of clean water. With the pump and agitator running, add the recommended amount of herbicide to the spray tank. The order of addition to the spray tank should be wettable powders first, flowables second, and liquids last. Complete filling of the spray tank with water. The use of an 80% active nonionic surfactant cleared for application to growing crops may be added at a rate of 0.12 to 0.5% spray volume for improved control of emerged seedlings. Maintain agitation until spraying is complete.

**RESTRICTIONS/PRECAUTIONS**

The following use restrictions must be observed when Galigan 2E herbicide is used as recommended on this label:

- Do not graze livestock in treated fields within 150 days of application.
- Do not apply Galigan 2E herbicide within 150 days of harvest.
- Galigan 2E herbicide must be applied using ground application equipment only.
- Do not apply when weather conditions favor drift. Avoid drift to all non-target areas. Galigan 2E herbicide is phytotoxic to plant foliage.
- Do not treat ditch banks or waterways with Galigan 2E herbicide.

**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 cleaning of equipment or disposal of equipment washwaters. This product is highly toxic to aquatic invertebrates, aquatic plants, wildlife, and fish. Use with care when applying in areas frequented by wildlife or adjacent to any body of water or wetland area. Do not apply when weather conditions favor drift or erosion from target areas.

This product is highly toxic to aquatic invertebrates, aquatic plants, wildlife, and fish. Galigan 2E herbicide should not be used under this SLN label where impact on listed threatened or endangered species is likely. You may refer to the WSDA Endangered Species Program web site at [http://agr.wa.gov/PestFert/EnvResources/EndangSpecies.htm](http://agr.wa.gov/PestFert/EnvResources/EndangSpecies.htm), or contact the Washington Department of Fish & Wildlife, National Marine Fisheries Service (NOAA Fisheries) or US Fish & Wildlife Service for information regarding aquatic species listed as threatened or endangered. Consult the federal label for additional restrictions and precautions to protect aquatic organisms.

To protect endangered plant species in Okanogan and Spokane Counties, use one of the following options: 1) Apply only when there is sustained wind away from wetland/transitional zone native plant communities, or (2) Leave a 25 ft. untreated buffer between treatment area and wetland/transitional zone native plant communities.

A 25 ft. vegetative buffer strip must be maintained between all areas treated with this product and lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish ponds.
CHEMIGATION: DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

WSDA Container Disposal Guidance: Pesticide containers must be properly cleaned prior to disposal. The best time to clean empty pesticide containers is during mixing and loading, because residue can be difficult to remove after it dries. Triple rinse (or pressure rinse) the pesticide container, empty all pesticide rinse water into the spray tank, and apply to a labeled crop or site. Recycling cleaned containers is the best method of container disposal. Information regarding the recycling of empty and cleaned plastic pesticide containers in Washington is available on the Internet from WSU at [http://pep.wsu.edu/waste/wd.html](http://pep.wsu.edu/waste/wd.html) or from WSDA at [http://agr.wa.gov/PestFert/Pesticides/WastePesticide.htm](http://agr.wa.gov/PestFert/Pesticides/WastePesticide.htm). Cleared containers may also be disposed of in a sanitary landfill, if permitted by the county. Burning is not a legal method of container disposal in Washington.

This label for Galigan 2E herbicide expires and must not be distributed or used in accordance with this SLN registration after December 31, 2012.

WARRANTY STATEMENT

MAKHTESHIM-AGAN OF NORTH AMERICA warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of MAKHTESHIM-AGAN OF NORTH AMERICA. In no case shall MAKHTESHIM-AGAN OF NORTH AMERICA be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except as expressly provided herein, MAKHTESHIM-AGAN OF NORTH AMERICA makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at MAKHTESHIM-AGAN OF NORTH AMERICA's election, the replacement of this product.

®Denotes registered trademark.
GALIGAN® is a trademark of AGAN Chemical Manufacturer, LTD., Israel.

24 (c) Registrant:
Makhteshim Agan of North America, Inc.
4515 Falls of Neuse Rd., Suite 300
Raleigh, NC 27609

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