Agri Star®
By Albaugh inc.

2,4-D AMINE 4
Herbicide

For selective control of many broadcast weeds in certain crops, including, cereal grains (wheat, barley, millet, oats and rye), corn (field corn, popcorn and sweet corn), fallow land and crop stubbles, rice, sorghum (grain and forage sorghum), soybeans (pre-plant or broadcast application only); forests; rangeland and established grass pastures, including Conservation Reserve Program (CRP) acres; non-cropland; grasses grown for seed or sod, ornamental turf; and aquatic areas.

ACTIVE INGREDIENT:
Dimethylamine salt of 2,4-dichlorophenoxyacetic acid
46.8%

OTHER INGREDIENTS: 53.2%

TOTAL: 100.0%

*Equivalent to 35.9% of 2,4-dichlorophenoxyacetic acid or 3.8 lb./gal. boomer specific by AOAC Method
EPA Reg. No. 42750-10
EPA Est. No. 42750-AM-001

KEEP OUT OF REACH OF CHILDREN
DANGER — PELIGRO
Si usted no entiende la etiqueta, busque a alguien para que se lo explique a usted en detalle.
(If you do not understand this label, find someone to explain it to you in detail.)

FIRST AID
IF IN EYES:
• Hold eye open and rinse slowly and gently with water for 15-20 minutes.
• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
• Call a poison control center or doctor for treatment advice.

IF SWALLOWED:
• Call a poison control center or doctor immediately for treatment advice.
• Have person sip a glass of water if able to swallow.
• 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.

IF ON SKIN
• Take off contaminated clothing.
• Wash skin immediately with plenty of water for 15-20 minutes.
• Call a poison control center or doctor for treatment advice.

IF INHALED:
• Move person to fresh air.
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
• Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

NOTE TO PHYSICIAN: Probable mucous membrane damage may contraindicate the use of gastric lavage.

See inside booklet for additional PRECAUTIONARY STATEMENTS.
# 2,4-D AMINE 4 Herbicide

For selective control of many broadcast weeds in certain crops, including cereal grains (wheat, barley, millet, oats and rye), corn (field corn, popcorn and sweet corn), fallow land and crop stubble, rice, sorghum (grain and forage sorghum), soybeans (pre-plant burndown application only); forests; rangeland and established grass pastures, including Conservation Reserve Program (CRP) acres; non-cropland; grasses grown for seed or sod; ornamental turf; and aquatic areas.

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*Equivalent to 38.9% of 2,4-dichlorophenoxyacetic acid or 3.8 lb./gal. Isomer specific by ADAC Method.

EPA Reg. No. 42755-19  
EPA Est. No. 42755-MD-001

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## FIRST AID

| IF IN EYES: | Hold eye open and rinse slowly and gently with water for 15-20 minutes.  
|            | Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.  
|            | Call a poison control center or doctor for treatment advice. |

| IF SWALLOWED: | Call a poison control center or doctor immediately for treatment advice.  
|              | Have person sip a glass of water if able to swallow.  
|              | 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. |

| IF ON SKIN OR CLOTHING: | Take off contaminated clothing.  
|                        | Rinse skin immediately with plenty of water for 15-20 minutes.  
|                        | Call a poison control center or doctor for treatment advice. |

| IF INHALED: | Move person to fresh air.  
|            | If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if capable. |

Manufactured by:  
ALBAUGH, INC.  
1525 NE 36th Street  
Ankeny, Iowa 50021
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER
Contaminate. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes or on clothing. Avoid contact with skin. Pretreat or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT
Some materials that are chemical-resistant to this product are latex rubber, natural rubber, neoprene or chlorinated rubber. If you want more options, follow the Instructions for Category A on an EPA chemical-resistance category selection chart.

1. All miners, loaders, applicators, flaggers, and other handlers must wear:
   a. Long-sleeved shirt and long pants.
   b. Socks and shoes.
   c. Chemical-resistant gloves (except for pilots).
   d. Chemical-resistant apron when applying with any handheld nozzles or equipment, mixing or loading, cleaning up spills or equipment, or otherwise coming into contact with this product.
   e. Wet chemical-resistant eyewear (glass or face shield).

See engineering controls for additional requirements.

Disposal clothing and other absorbent materials that have been dampened or heavily contaminated with this product's concentrate. Do not reuse. Follow manufacturer's instructions for cleaning or maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. After each day of use, cleaning or PPE must not be reused until it has been cleaned.

ENGINEERING CONTROLS
Plants must use an enclosed cockpit that meets the requirements listed in the NIRS for agricultural pesticides [40 CFR 170.500(a)(9)]. When handlers use 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(b)(6-8)], the handler PPE requirements may be reduced or modified as specified in the NIRS.

USER SAFETY RECOMMENDATIONS
Wear:
- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Wash hands after handling pesticides.
- Remove PPE immediately after handling this product.
- Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS
This product may be toxic to fish and aquatic invertebrates. Do not apply directly to water or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drink and oral intake may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwater or rinse.

Agricultural and industrial pesticides can be hazardous to aquatic organisms. Do not contaminate water by disposing of equipment washwater or rinse. Use PPE only as directed on label. This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a well or well field may result in contamination of drinking water or ground water.

Most cases of groundwater contamination are caused by leaching of chemical residues associated with pesticide use. This can be prevented by mixing/loading and disposal areas.

Caution should be exercised when handling 2,4-D pesticides at such rates to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will prevent groundwater contamination.

STORAGE AND DISPOSAL
Do not contaminate water, food, or feed with this product.

Pesticide Storage: Open dumping is prohibited. Do not store this product near fertilizers, seeds, insecticides, or fungicides. Return all partially used containers to the manufacturer's container. Store counterfeit, mislabeled, or unapproved chemicals in separate areas with enough distance between to prevent cross-contamination.

Operate, maintain, and clean pesticide containers properly. When transferring to another container is necessary because of leakage or damage, carefully mark and identify contents of the new container.

STORAGE AND DISPOSAL (cont.)

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticides, spray mixtures, or rinsates is a violation of Federal law and may constitute groundwater contamination. 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 at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:
Non-refillable containers containing 1, 2, 5, 30, or 65 gallons do not reuse or reseal this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

-refillable (=5 gallons) Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recirculate for 10 seconds. Pour into application equipment or a mix tank or store rinse water for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

-refillable (=5 gallons) Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Recirculate and flush thoroughly. Fill the container to 1/3 full with water. Repeat this action until it fills back and forth, ensuring at least one complete revolution for 30 seconds. Drain the container by lifting and tip it back and forth several times. Empty the rinse into application equipment or a mix tank or store rinse water for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Place container upside down over application equipment or mix tank or collect inside for later use for disposal. Pressure rinse rinsing inside the side of the container and inside at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable container (250 gallons & bulk) will be container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before setting is the responsibility of the dealer.

DIRECTIONS FOR USE
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a manner that will contaminate water, food, or feed. Do not apply pesticides to plants on which other pesticides are already applied. Do not apply this product through any type of injection system.

AGRICULTURAL USE REQUIREMENTS
Use this product only in accordance with its labeling and with the Worker Protection Standards, 42 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, documentation, notification, and emergency assistance. It also contains specific instructions and exemptions pertaining to the statements as to label instructions concerning protective equipment (PPE) and restricted-entry ingress. The requirements in this text only apply to use of this product that are covered by the Worker Protection Standards. Do not enter or allow other workers in treat areas during the restricted-entry interval (REI) of 48 hours. PPE required for entry into treated areas that is permitted under the Worker Protection Standards and that involves contact with anything that has been contaminated, such as plants, soil, water, or articles.

Covers over short-sleeved shirt and short pants.
Chemical-resistant gloves of any waterproof material.
Chemical-resistant footwear with sole and back.
Chemical-resistant long-sleeved shirt.
Chemical-resistant raincoat for overhead exposure.

NON-AGRICULTURAL USE REQUIREMENTS
The requirements in this box apply to use of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (29 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Entry Restrictions for Non-WPS Uses: When this product is applied to nonagricultural ornamental plants in greenhouses, nurseries, or indoor use, and when applied by the retail or commercial non-agricultural applicator, does not apply to public facilities, retail or commercial non-agricultural applicator. Do not enter or allow anyone (or pets) to enter treated area during application.

GENERAL INFORMATION
Performance of this product may be affected by local conditions, crop variety, and application method. User should consult local Extension Service, Agricultural Experiment or University Weed Specialist, and state regulatory agencies for recommendations in this area.

Details and results are obtained when product is applied to young, succulent weeds that are actively growing. Lower recommended rates will be satisfactory on susceptible weed species. For percent weed conditions such as the very dry areas of the western states where control is difficult, the higher recommended rates should be used.
CROPS

CEREAL GRAINS (Wheat, Barley, Millet, Oats, Rye) (Not Underseeded with Legumes)

<table>
<thead>
<tr>
<th>CROP/APPLICATION TIMING</th>
<th>5,6-D AMINE 4 (oz/acre)</th>
<th>SPECIFIC USE DIRECTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheat, Barley, Millet, Rye</td>
<td>1/2 to 1</td>
<td>Apply over crop is fully tilled, but before boot stage of growth (usually 4 to 8 inches tall) and not forming joints in the stem. Do not apply before tillage or from early boot through the millet stage of growth.</td>
</tr>
<tr>
<td>Annual and biennial broadleaf weeds</td>
<td>1 to 2</td>
<td>Apply over crop is fully tilled, but before boot stage of growth (usually 4 to 8 inches tall) and not forming joints in the stem. Do not apply before tillage or from early boot through the millet stage of growth.</td>
</tr>
<tr>
<td>Perennial broadleaf weeds</td>
<td>1</td>
<td>Apply over crop is fully tilled, but before boot stage of growth (usually 4 to 8 inches tall) and not forming joints in the stem. Do not apply before tillage or from early boot through the millet stage of growth.</td>
</tr>
<tr>
<td>Oats</td>
<td>1/2</td>
<td>Apply over crop is fully tilled, but before boot stage of growth (usually 4 to 8 inches tall) and not forming joints in the stem. Do not apply before tillage or from early boot through the millet stage of growth.</td>
</tr>
<tr>
<td>(Tilling Seeded)</td>
<td>0.5 to 1/2</td>
<td>Apply 5 to 10 days after planting, just before the weeds begin to emerge.</td>
</tr>
<tr>
<td>(Fall Seeded Southern)</td>
<td>1/4</td>
<td>Apply 5 to 10 days after planting, just before the weeds begin to emerge.</td>
</tr>
<tr>
<td>PREHARVEST APPLICATION (at ceratin)</td>
<td>1</td>
<td>Apply using air or ground equipment to control weeds that could interfere with harvest, or to suppress perennial weeds. Apply when grain is in dough stage. Do not apply from early boot through the millet stage of growth.</td>
</tr>
</tbody>
</table>

*Use the lower rates in the rate range if annual or perennial weeds are the major problem. Use the higher rate if perennial weeds or annual or biennial weeds are present which are considered to be hard-to-kill as determined by local experience. Higher rates increase the risk of crop injury and should be used only where weed control justifies such risk. Do not apply 5,6-D AMINE 4 at the crop seeding rate. Consult state agricultural experiment station or extension service weed specialists for recommendations or suggestions for local conditions.

CEREAL GRAIN RESTRICTIONS:
- **Postemergence:**
  - Do not apply more than one application per crop cycle.
  - Do not apply more than 3 pints per acre per application.
- **Preemergence:**
  - Do not apply more than one application per crop cycle.
  - Do not apply more than 1 pint per acre per application.
- **Pre-Harvest Interval:**
  - 14 days after application.

5,6-D AMINE 4 contains 0.8% active ingredients of 2,4-D per pint. When tank mixing with products that contain 2,4-D, do not exceed a combined total of 1.75 pounds of active ingredient per acre per year.

CORN (Field Corn, Popcorn and Sweet Corn)

**APPLICATION TIMING/STAGE OF GROWTH**

- Preplant: 1 to 2
- Preemergence: 1 to 2

**SPECIFIC USE DIRECTIONS**

- **Preplant:**
  - Apply before planting to control emerged broadcast weed seedlings or existing cover crops.
  - Do not use on large, newly seeded fields.

- **Preemergence:**
  - Apply 5 to 10 days after planting, just before the weeds begin to emerge. Do not use on small, newly seeded fields.

**SPECIFIC USE DIRECTIONS**

- **Postemergence:**
  - Apply when weeds are small and corn is less than 8 inches tall (top of canopy). If corn is more than 8 inches tall, use stage to better control spray-off foliage. Treat perennial weeds when they are in bud to blossom stage.
  - Do not tank mix with atrazine or other adjuvants.
  - Do not apply from hoeing to hard dough stage.

- **Annual broadleaf weeds**
  - Do not apply from hoeing to hard dough stage.
  - Nodex Corn treated with 5,6-D may become temporarily brittle. Wind or cultivation may cause stem breakage during the period of time that corn is brittle.

**Sweet Corn:**
- To minimize potential for crop injury, use only lowest rated in rate range.
- Do not apply preharvest to sweet corn.

**CORN RESTRICTIONS:**
- **Preplant or Pre-emergence:**
  - Do not apply more than one application per crop cycle.
  - Do not apply more than 3 pints per acre per application.
- **Preemergence:**
  - Do not apply more than one application per crop cycle.
  - Do not apply more than 1 pint per acre per application.
- **Pre-Harvest Interval (Field and Popcorn):**
  - 14 days after application.
- **Sweet Corn (Pre-Harvest Interval):**
  - 14 days after application.

5,6-D AMINE 4 contains 0.7% active ingredients of 2,4-D per pint. When tank mixing with products that contain 2,4-D, do not exceed a combined total of 1.8 pounds of active ingredient per acre per year.

RICE (Not for Use in California)

General Precautions: Risk varies by variety and stage of growth. Consult your seed company representative or local Agricultural Experiment Station or Extension Service Weed Specialist for information on 2,4-D tolerance of rice varieties, including optimum rates and timing.

**APPLICATION TIMING**

- Preplant: 1/2 to 2

**SPECIFIC USE DIRECTIONS**

- **Preplant:**
  - Apply to 4 weeks before planting rice to control emerged broadcast weeds.
  - Do not use in California.
- **Postemergence:**
  - 1 to 2

**APPLICATION TIMING**

- 2,4-D AMINE 4 (oz/acre)

**SPECIFIC USE DIRECTIONS**

- **Preplant:**
  - Apply 2 to 4 weeks before planting rice to control emerged broadcast weeds.
  - Do not use in California.
- **Postemergence:**
  - 1 to 2

**APPLICATION TIMING**

- 2,4-D AMINE 4 (oz/acre)

**SPECIFIC USE DIRECTIONS**

- **Preplant:**
  - Apply 2 to 4 weeks before planting rice to control emerged broadcast weeds.
  - Do not use in California.
- **Postemergence:**
  - 1 to 2

Application rates of 2,4-D/acre may be applied to handle difficult weed control problems. However, do not use the 2,4-D/acre rate unless possible crop injury is acceptable.

**RICE RESTRICTIONS:**
- **Preplant:**
  - Do not apply more than one application per crop cycle.
  - Do not apply more than 3 pints per acre per application.
- **Postemergence:**
  - Do not apply more than three applications per crop cycle.
  - Do not apply more than 3 pints per acre per application.
  - Do not use in California.
SORGHUM
(Grain Sorghum [Milo] and Forage Sorghum)

General Use Precautions: Temporary crop injury can be retarded under conditions of high soil moisture and high air temperatures. If it is necessary to apply 2,4-D AMINE 4 under these conditions, use no more than 2.0 pint per acre. Sorghum hybrids vary in 2,4-D tolerance. Apply only to varieties known to be tolerant to 2,4-D. Gradual soil company representative or local agronomist is in extension Service Team. Weeds that are not controlled on 2,4-D tolerant of sorghum varieties.

APPLICATION TIMING/STAGE OF GROWTH
2,4-D AMINE 4
(g/acre)

SPECIFIC USE DIRECTIONS

Post-emergence
Crop 6-8 inches tall
Crop 8-15 inches tall
(Docked sprouts only)

1/2 to 1/2
3/4 to 1-1/2

SORGHUM RESTRICTIONS:
- Do not apply more than 1-1/2 pint per acre per application.
- Do not make more than 1 post-emergence application per year.
- Pre-harvest interval is 90 days.
- Do not permit seed or clippings to contact treated crop as fodder or forage for 30 days following application.
- 2,4-D AMINE 4 contains 0.5 pounds a.e. of 2,4-D per pint. When tank mixing with products that contain 2,4-D ester, do not exceed a combined total of 1.0 pounds of a.e. per acre per year.

SOYBEANS
For Use in Crop Residue Management Systems (Pre-plant Burndown Application Only)

Important Notice: Unsusceptible injury to soybeans planted in treated fields may occur. Whether or not soybean injury occurs and its extent of injury will depend on weather conditions (temperature and rainfall) from herbicide application until soybeans emerge and emerge late during the wet season and previous crop residues present at the time of application. Injury is more likely to occur under cool and wet conditions and when there is less weed vegetation and crop residue present.

APPLICATION TIMING
2,4-D AMINE 4
(g/acre)

SPECIFIC USE DIRECTIONS

Preplant (Burnout)
3/4 to 1

Application of 2,4-D AMINE 4 is not recommended on soybeans. Post-emergence application of 2,4-D AMINE 4 will inhibit germination and reduce yields.

Precautions:
- Do not apply prior to planting soybeans if you are not prepared to accept the results of soybean injury including possible loss of stand and yield.
- Do not mow or cultivate weeds prior to treating with this product as poor control may result.

SOYBEAN (PREPLANT) RESTRICTIONS:
- Preplant (2 application options)
- Do not apply more than 1 pint per acre per preplant application.
- Do not apply within 15 days of planting soybeans.
- Preplant (single application option)
- Do not apply more than 2 pints per acre.
- Do not apply within 30 days of planting soybeans.
- Do not apply VBP oil, lindane, or furadan to grass and/or grass treated soybeans to livestock.
- Do not feed or graze treated cover crops to livestock.
- Do not apply to fields located within the same growing season with crops other than those labeled for 2,4-D preplant use.

The 2,4-D AMINE 4 contains 0.5 pounds a.e. of 2,4-D per pint. When tank mixing with products that contain 2,4-D, do not exceed a combined total of 1.0 pounds of a.e. per acre per crop cycle.

FALLOWLAND AND CROP STUBBLE

Fallowland or idle land, postharvest to crops or between crops.

APPLICATION TIMING
2,4-D AMINE 4
(g/acre)

SPECIFIC USE DIRECTIONS

Annual broadleaf weeds
Use a lower rate in the rate range when weeds are small (2 to 3 inches tall) and actively growing. Use a higher rate in the rate range when weeds are larger and under favorable growth conditions.

3 to 4

Biennial broadleaf weeds
Apply when most tillers or other biennial species are in seedling stage and before development of flower stages. The lower rate can be used in the fall during the rooting stage. Use the highest rate in the fall after flower stage has developed.

2 to 4

Perennial broadleaf weeds
Apply when perennial weeds are in bud to early bloom stage or when in good vegetative growth.

2 to 4

Wild garlic, bean and grasses, stubble
Apply to new growths of wild garlic or onion that occurs in the fall after harvest of other crops.

3 to 4

Precautions:
- Do not apply more than 30 days after applications or until top growth is dead.

FALLOWLAND RESTRICTIONS:
- Preharvest Interval (CI) is 35 days from spraying of 2,4-D AMINE 4.
- Do not apply more than 30 days from planting.
- Minimum 30-day interval between applications is 30 days.

When tank mixing with products that contain 2,4-D, do not exceed a combined total of 1.0 pounds of a.e. per acre per year.
### GRASSES GROWN FOR SEED OR SOD FARMS

**Agricultural Use Requirements** (When used in grass seed for seed or sod trials, follow PPE and mixing instructions in the "Agricultural Use Requirement" section of this label.

**GRASSES GROWN FOR SEED**

<table>
<thead>
<tr>
<th>Treatment Site</th>
<th>2,4-D AMINE 4 (gal/acre)</th>
<th>Specific Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grasses Grown for Seed Glorifying Use</td>
<td>3/4 to 1</td>
<td>Apply when weeds are small and actively growing. For best results, apply when soil moisture is adequate for active weed growth. Do not apply to newly seeded grasses until well established (five-leaf stage or later), and then use a maximum of 0.25 gal/acre. Cool season grasses are tolerant of higher rates. Do not apply to grass in the early boot through milk stage if seed production is desired. When grass is well established, higher rates of up to 2-2.5 pints/acre may be applied for control of hard-to-kill annual or perennial weeds. Deep-rooted perennial species such as bermudagrass and Canada thistle may require repeat treatments. Avoid growing sod for 1 to 2 days before or after application. Delay irrigation until the day following application.</td>
</tr>
<tr>
<td>Seeding grass</td>
<td>1 to 4</td>
<td></td>
</tr>
<tr>
<td>Well-established grasses</td>
<td>1/2 to 4</td>
<td></td>
</tr>
</tbody>
</table>

**SOD FARMS**

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<th>Specific Use Directions</th>
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</thead>
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<tr>
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</tr>
<tr>
<td>Seeding grass</td>
<td>1 to 4</td>
<td></td>
</tr>
<tr>
<td>Well-established grasses</td>
<td>1/2 to 4</td>
<td></td>
</tr>
</tbody>
</table>

**Precautions:**

- Do not use on creeping grasses such as bentgrass except as a spot treatment.
- Do not use on injury-sensitive southern grasses such as St. Augustinegrass.
- Do not use on dichondra or other herbaceous ground covers. Legumes may be damaged or killed.
- Reseeding: Delay reseeding at least 30 days following application. Preferably, with spring application, reseed in the fall and with fall application, reseed in the spring.
- Use sufficient spray solution for thorough and uniform coverage, and no less than 2 gallons per acre.

**GRASSES GROWN FOR SEED OR SOD FARMS RESTRICTIONS:**

- Do not apply more than 4 pints/acre (2.5 lbs. a.e.) per application.
- Do not apply more than 2 applications per year (excluding spot treatments).
- Minimum spray interval between broadcast applications is 21 days.

2,4-D AMINE 4 contains 6.5 pounds a.e. of 2,4-D per pint. When tank mixing with products that contain 2,4-D, do not exceed a combined total of 4.0 pounds of a.e. per acre per year excluding spot treatments.

### ORNAMENTAL TURF (Excluding Grasses Grown For Seed or Sod Farms)

**Includes lawns, golf courses, cemeteries and parks, airfields, roadsides, and vacant lots**

**Intended for use by applicators who are authorized by the state for this type of application.**

When this product is applied to ornamental turf areas, follow PPE and mixing instructions in the "Non-Agricultural Use Requirements" section of this label.

<table>
<thead>
<tr>
<th>Treatment Site</th>
<th>2,4-D AMINE 4 (gal/acre)</th>
<th>Specific Use Directions</th>
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</thead>
<tbody>
<tr>
<td>Ornamental Turf Glorifying Use</td>
<td>3/4 to 1</td>
<td>Apply when weeds are small and actively growing. For best results, apply when soil moisture is adequate for active weed growth. Deep-rooted perennial species such as bermudagrass and Canada thistle may require repeat applications. Do not apply to newly seeded grasses until well established (five-leaf stage or later) and then use a maximum of 0.25 gal/acre. Cool season grasses are tolerant of higher rates.</td>
</tr>
<tr>
<td>Seeding grass</td>
<td>1 to 4</td>
<td></td>
</tr>
<tr>
<td>Well-established grasses</td>
<td>1/2 to 4</td>
<td></td>
</tr>
</tbody>
</table>

**Precautions:**

- Do not use on creeping grasses such as bentgrass except as a spot treatment.
- Do not use on injury-sensitive southern grasses such as St. Augustinegrass.
- Do not use on dichondra or other herbaceous ground covers. Legumes may be damaged or killed.
- Reseeding: Delay reseeding at least 30 days following application. Preferably, with spring application, reseed in the fall and with fall application, reseed in the spring.

**ORNAMENTAL TURFGRASS RESTRICTIONS:**

- Do not apply more than 3 pints per acre per application.
- Do not make more than 2 applications per year (excluding spot treatments).
- Minimum spray interval between broadcast applications is 30 days.

2,4-D AMINE 4 contains 0.5 pounds a.e. of 2,4-D per pint. When tank mixing with products that contain 2,4-D, do not exceed a combined total of 3.0 pounds of a.e. per acre per year excluding spot treatments.

### Rangeland, Established Grass Pastures

(Including Perennial Grasslands Not in Agricultural Production Such as Conservation Reserve Program Acres)

<table>
<thead>
<tr>
<th>Target Weeds or Woody Plants</th>
<th>2,4-D AMINE 4 (gal/acre)</th>
<th>Specific Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual broadleaf weeds</td>
<td>2</td>
<td>For best results, apply when weeds are small and growing actively before the bud stage. Apply when musk thistles or other broadleaf species are in the seeding to rosette stage and below flower stage appear. Refer to the &quot;Weeds Controlled&quot; section for a listing of susceptible weed species and weeds that may be only partially controlled and require repeat applications and/or use of higher recommended rates, even under ideal conditions of application.</td>
</tr>
<tr>
<td>Broadleaf perennial broadleaf weeds</td>
<td>2 to 4</td>
<td></td>
</tr>
<tr>
<td>Spot Treatment to control broadleaf weeds</td>
<td>See Instructions for &quot;Spot Treatment&quot;</td>
<td>For best results, apply when weeds are small and growing actively before the bud stage. Apply when musk thistles or other broadleaf species are in the seeding to rosette stage and below flower stage appear. Refer to the &quot;Weeds Controlled&quot; section for a listing of susceptible weed species and weeds that may be only partially controlled and require repeat applications and/or use of higher recommended rates, even under ideal conditions of application.</td>
</tr>
<tr>
<td>Tree selection application</td>
<td>4</td>
<td>See instructions for tree selection application in &quot;Firewise Landscapes&quot; section.</td>
</tr>
<tr>
<td>Wild garlic and wild onion</td>
<td>4</td>
<td>Make three applications fall-spring fall-spring fall-spring in late fall or early spring.</td>
</tr>
<tr>
<td>Broadcast weed control in newly sprayed coastal scrubgrass</td>
<td>2 to 4</td>
<td>Applications may be made either pre- or post-emergence. Follow &quot;Specific Use Directions&quot; for annuals, biennials and perennial broadleaf weed control, above.</td>
</tr>
</tbody>
</table>

2,4-D AMINE 4 contains 6.5 pounds a.e. of 2,4-D per pint. When tank mixing with products that contain 2,4-D, do not exceed a combined total of 4.0 pounds of a.e. per acre per year excluding spot treatments.

**Send Shinyhawk cattail**

2,4-D AMINE 4 contains 6.5 pounds a.e. of 2,4-D per pint. When tank mixing with products that contain 2,4-D, do not exceed a combined total of 4.0 pounds of a.e. per acre per year excluding spot treatments.

**Send Shinyhawk cattail:** Apply by aircraft between May 15 and June 15. Sand sedge/broad: Apply by ground or aircraft when foliage is fully expanded and plants are actively growing. Use a 1% oil-water emulsion as carrier and a spray volume of 3 to 5 gallons per acre. Retirement may be needed.
### RANGELAND, ESTABLISHED GRASS PASTURES (cont.)

**TARGET WEEDS OR WOODY PLANTS**

<table>
<thead>
<tr>
<th>Treatment Site/ Application Method</th>
<th>2,4-D AMINE 4</th>
<th>SPECIFIC USE DIRECTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual broadcast weeds</td>
<td>2 to 4 lb/acre</td>
<td>Apply when annual weeds are small and growing actively below the bud stage. Use 2,4-D at a rate of 2 to 4 lb/acre per acre. For herbicide-resistant annual weeds, use 2,4-D at a rate of 4 lb/acre per acre.</td>
</tr>
<tr>
<td>Broadleaf annual weeds</td>
<td>4 to 8 lb/acre</td>
<td>Apply when annual weeds are small and growing actively below the bud stage. Use 2,4-D at a rate of 4 to 8 lb/acre per acre.</td>
</tr>
<tr>
<td>Spot Treatment to control weeds</td>
<td>See Instructions for &quot;Spot Treatment&quot;</td>
<td></td>
</tr>
<tr>
<td>Flame Injection Application</td>
<td>See Instructions for &quot;Flame Injection&quot;</td>
<td></td>
</tr>
</tbody>
</table>

**Southern wild rye**

- **Broadcast application**: Use up to 5 lb/100 gal. per spray
- **Spot Treatment**: Use up to 5 lb/100 gal. per spray

**Precautions**:
- Do not apply to newly seeded areas until grass is well established.
- Do not apply to areas that are affected by various diseases or have been treated with other herbicides.
- Do not apply after the grain matures.

### NON-CROPLAND AREAS

**Such as fences, hedges, roadsides, right-of-way, utility power lines, railroads, airports.**

<table>
<thead>
<tr>
<th>Treatment Site/ Application Method</th>
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<td>See Instructions for &quot;Spot Treatment&quot;</td>
<td></td>
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<td>See Instructions for &quot;Flame Injection&quot;</td>
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**Southern wild rye**

- **Broadcast application**: Use up to 5 lb/100 gal. per spray
- **Spot Treatment**: Use up to 5 lb/100 gal. per spray

**Precautions**:
- Do not apply to newly seeded areas until grass is well established.
- Do not apply after the grain matures.
FORESTRY USES
Forest site preparation, forest roads, brush control, established camera release
(including Christmas trees and reforestation areas)

SPECIFIC USE DIRECTIONS

TREATMENT SITE METHOD OF APPLICATION

2,4-D AMINE 4

Specific Directions

Application Rate: 4 to 8 g/a

Specific Use Directions:

Application Timing:

Spray weed control may be applied when water hyacinth plants are actively growing. Repeat application as necessary to kill regrowth and plants missed in previous application. Use at place rate when plants are mature or when need mass is close.

Surface Applications:

Use lower concentrations of boom or spray gun mounted on boom, tractor or pump. Through wetting of foliage is essential for maximum control. Use 100 to 400 gallons of spray mixture per acre. Special precautions such as use of low pressure, large nozzles and spray thinning agents should be taken to avoid spray drift to unacceptable crops. Follow label directions for use of any drift control agent.

Air Applications:

Use drift control equipment or thinning agent in the spray mixture. Apply 2 to 4 g/a of 2,4-D AMINE 4 per acre using standard boom systems applying a minimum spray volume of 6 gallons per acre. For Nontron® drift control systems, apply 2,4-D AMINE 4 in a total spray volume of 10 gallons per acre.

FLOATING AND EMERGENT WEADE USE RESTRICTIONS:

Maximum of 8 pt/gal. of water per application.

Limit to 2 days between applications.

Minimum of 1 week between applications.

Apply to emergent aquatic weeds in ponds, lakes, reservoirs, marshes, bayous, drainage ditches, non-irrigation channels, swamps, and streams that are aquatic or slow moving.

Coordination and approval of local and state authorities may be required, either by letter or agreement or issuance of special permits for aquatic applications.

Water Use:

1. Water for irrigation or sprays:

a. If treated water is intended to be used only for crops or non-river areas that are labeled for direct treatment with 2,4-D such as pastures, turf, or cemetary lawns, the treated water may be used to irrigate and/or mix sprays for these uses anytime after the 2,4-D aquatic application.

b. Due to potential phytotoxicity considerations, the following restrictions are applicable: If treated water is intended to be used on or near parks or other public uses that are not labeled for direct treatment with 2,4-D, the water must not be used unless one of the following restrictions is met.

i. A setback distance from functional water intake(s) of greater than or equal to 600 ft. was used for the application, or

ii. A waiting period of 7 days from the time of application has elapsed before treated water is used as had been during the spring flood, and

iii. An approved spray application that the 2,4-D concentration is 100 ppm (0.1%) or less at the water intake. Water intake 3 days after application before initial sampling at water intake.

2. Drinking water (potable water):

a. Water that is conveyed to state or local water authorities before applying this product to public waters. State or local agencies may require permits.

b. Potable water use restrictions on this label are to ensure that consumption of water by the public is allowed only when the concentration of 2,4-D in public water supply is not more than 70 ppm. Applications should consider the unique characteristics of the treated waters to ensure that 2,4-D concentrations in potable water do not exceed 70 ppm at the time of consummation.

b. For floating and emergent weed applications, the drinking water setback distance from functioning potable water intakes is greater than or equal to 600 ft.

C. If no setback distance of greater than or equal to 600 ft is used for application, applicators or the authorizing organization must provide a drinking water source to the responsible party prior to a 2,4-D application to the party responsible for public water supply or to individual private water uses. Notification to the responsible party for a public water supply or to individual private water users must be made in a manner that is to ensure that the party is aware of water usage restrictions when this product is applied to potable water.

EMERGENT AND FLOATING AQUATIC WEEDS

Including Water Hyacinth (Eichhornia crassipes)

15
Submerged Weeds:
- Maximum of 22.7% of the area under aquatic vegetation or aquatic macrophytes as per application.
- Limited to 2 applications per season.
- Applies to aquatic weeds in ponds, lakes, reservoirs, marshes, bayous, drainage ditches, non-irrigation canals, rivers, and streams that are cleared or slow moving.
- Application does not allow new plantings of cattails within 21 days of previous application.
- When moving newly planted aquatic vegetation, plants must be placed while traveling upstream to prevent concentration of 2,4-D downstream for the application.
- Violation and approval of local and state authorities may be required, either by letter of agreement or issuance of special permits for such use.

**Table 1: Application of 2,4-D to Apply for Target Substrate Concentration**

<table>
<thead>
<tr>
<th>Substrate Name</th>
<th>Area Coverage</th>
<th>Application Rate (lb/a)</th>
<th>Application Rate (kg/ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Plants</td>
<td>250 sq ft</td>
<td>0.5 lb/a</td>
<td>0.23 kg/ha</td>
</tr>
<tr>
<td>Aquatic Vegetation</td>
<td>500 sq ft</td>
<td>1.0 lb/a</td>
<td>0.46 kg/ha</td>
</tr>
<tr>
<td>Non-Aquatic Vegetation</td>
<td>1,000 sq ft</td>
<td>2.0 lb/a</td>
<td>0.92 kg/ha</td>
</tr>
</tbody>
</table>

**Examples:**
- Some examples include specific treatment of cattails, Eurasian Water Milfoil, and certain difficult-to-control aquatic species.

**Water Use:**
- Water for irrigation or spraying.
- If treated water is intended to be used only for crops or non-crop areas that are labeled for direct treatment with 2,4-D such as pastures, turf or cereal grains, the treated water may be used to irrigate and/or mix sprays for these sites at anytime after the 2,4-D aquatic application is complete.
- Due to potential phytophthora species devastation, the following restrictions are applicable:
  - If treated water is intended to be used to irrigate or mix sprays for only non-crop areas or other plants not labeled for direct treatment with 2,4-D, the water must not be used until one of the following restrictions has been observed:
    - A 30-day treatment period in the Drinking Water Safety Table is used for the application, or
    - A waiting period of 21 days from the time application has elapsed, or
    - An approved application indicated that the 2,4-D concentration is 100 ppb or less at the time of irrigation or mixing.

**Submerged Aquatic Vegetation Treatment:**
- Submerged aquatic vegetation treatment is used under the following conditions:
  - Water with a concentration of 2,4-D higher than 100 ppb may not be used for irrigation or spraying.
  - Water with a concentration of 2,4-D lower than 100 ppb may be used for irrigation or spraying.

**Submerged Aquatic Vegetation:**
- If treated water is intended to be used only for crops or non-crop areas that are labeled for direct treatment with 2,4-D such as pastures, turf or cereal grains, the treated water may be used to irrigate and/or mix sprays for these sites at anytime after the 2,4-D aquatic application is complete.
- Due to potential phytophthora species devastation, the following restrictions are applicable:
  - If treated water is intended to be used to irrigate or mix sprays for only non-crop areas or other plants not labeled for direct treatment with 2,4-D, the water must not be used until one of the following restrictions has been observed:
    - A 30-day treatment period in the Drinking Water Safety Table is used for the application, or
    - A waiting period of 21 days from the time application has elapsed, or
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**Submerged Aquatic Vegetation Treatment:**
- Submerged aquatic vegetation treatment is used under the following conditions:
  - Water with a concentration of 2,4-D higher than 100 ppb may not be used for irrigation or spraying.
  - Water with a concentration of 2,4-D lower than 100 ppb may be used for irrigation or spraying.
Test of notifications that 21 days before diverting fluctuating surface water intakes from the treated aquatic site to use in drinking water, irrigation, or other purposes, unless water of fluctuating drinking water intakes is tested no sooner than 4 days after Table 6 and is demonstrated by assay to

When applying each application of this product, treated water must not be used for drinking water unless one of the following conditions has been observed:

A. A water quality report dated in the Drinking Water Setback Distance Table was used for the application.
B. A water quality report dated in the Drinking Water Setback Distance Table was used for the application.
C. Approved analysis for 5-day pH must be less than 9 days.
D. A water quality report dated in the Drinking Water Setback Distance Table was used for the application.

Table 2. Drinking Water Setback Distance for Submerged Water Application

<table>
<thead>
<tr>
<th>Application Rate</th>
<th>Minimum Setback Distance (ft)</th>
<th>From Functions Potable Water Intake</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ppm</td>
<td>600</td>
<td>1000</td>
</tr>
<tr>
<td>2 ppm</td>
<td>1000</td>
<td>1100</td>
</tr>
<tr>
<td>3 ppm</td>
<td>1100</td>
<td>1200</td>
</tr>
<tr>
<td>4 ppm</td>
<td>1200</td>
<td>1400</td>
</tr>
</tbody>
</table>

Table 3. Sampling for Drinking Water Analysis After Submerged Water Application

<table>
<thead>
<tr>
<th>Minimum Days Before Application</th>
<th>Initial Water Sampling at the Functioning Potable Water Intake</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ppm</td>
<td>2 ppm</td>
</tr>
<tr>
<td>2 ppm</td>
<td>3 ppm</td>
</tr>
<tr>
<td>3 ppm</td>
<td>4 ppm</td>
</tr>
<tr>
<td>4 ppm</td>
<td>5 ppm</td>
</tr>
</tbody>
</table>

Table 4._Banks of Irrigation Canals and Ditches

<table>
<thead>
<tr>
<th>TARGET PLANTS</th>
<th>SPECIFIC USE DIRECTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flumes</td>
<td>2 to 4</td>
</tr>
<tr>
<td>Benthal and Streambanks</td>
<td>4</td>
</tr>
<tr>
<td>Aquatic Weeds</td>
<td>4</td>
</tr>
<tr>
<td>Grasses</td>
<td>4</td>
</tr>
<tr>
<td>Shrubs</td>
<td>4</td>
</tr>
<tr>
<td>Trees</td>
<td>4</td>
</tr>
</tbody>
</table>

Ditchbank application restrictions:
- Spot treatment permitted.
- Minimum of 3 applications per season.
- Minimum of 2 applications per application.
- Spot treatment permitted.

Do not apply more than 8 ft above the waterline.
Do not use on small canals with a flow rate less than 10 cubic feet per second (CFPS) where water will be used for irrigation purposes.
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CONDITIONS OF SALE AND WARRANTY

The conditions of sale for this product are stated in the documentation provided by the manufacturer. It is recommended to review the terms and conditions prior to purchase and use of the product.

(continued)