

# **AQUATIC SITES WITH EMERGENT WEEDS - AERIAL APPLICATION**

## General Information

### USE DIRECTIONS

Unless noted otherwise under individual DIRECTIONS section, for aerial application, apply the specified amount in a minimum of 2 gallons of water per acre. For ground application, apply the specified amount in a minimum of 5 gallons of water per acre. Use more water for both methods when adverse growing conditions are present.

Band Treatment: If only bands or rows are treated, leaving middles untreated, the dosage and spray volume per crop acre are reduced proportionately.

DO NOT apply with high spray pressures, hollow cone or other nozzle types that produce small spray droplets which may drift. Avoid spray drift by making applications when conditions such as wind, air stability and temperature inversions are not a factor. The use of a suitable drift control agent at the proper rate will aid in the reduction of spray drift. Apply when weather is warm and plants are rapidly growing. Cold weather or dry conditions may cause poor results. DO NOT apply if rain is expected within 6 hours. Consult your local agronomist or Extension specialist for specific use and crop tolerance situations. Do not apply this product through any type of irrigation system.

### RESISTANCE MANAGEMENT

Shredder Amine 4 is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to Shredder Amine 4 or other Group 4 herbicides. Weed species with acquired resistance to Group 4 may eventually dominate the weed population if Group 4 herbicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by 2,4-D Amine or other Group 4 herbicides.

To delay herbicide resistance consider:

- Avoiding the consecutive use of Shredder Amine 4 or other target site of action Group 4 herbicides that have a similar target site of action, on the same weed

species.

- Using tank-mixtures or premixes with herbicides from different target site of action Groups as long as the involved products are all registered for the same use, have different sites of action, and are both effective at the tank mix or prepack rate on the weed(s) of concern.
- Basing herbicide use on a comprehensive IPM program.
- Monitoring treated weed populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or Winfield Solutions, LLC representative for herbicide resistance management and/or integrated weed management recommendations for specific crops and resistant weed biotypes.

### Susceptible Plants

Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

### Equipment

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Additional requirements for aerial applications:

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. This requirement does not apply to forestry or rights-of-way applications. When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this by adjusting the path of the aircraft upwind.

Additional requirements for ground boom application:

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

Limitations, Restrictions, and Exceptions

#### SPRAYING INSTRUCTIONS

Low pressure (10 to 40 PSI) power spray equipment should be used and mounted on a truck, tractor, or boat. Apply while traveling upstream to avoid accidental concentration of chemical into water.

Spray when air is calm, 5 mph or less.

For Ditch Bank Weeds: Do not spray cross-stream to opposite bank. Do not allow boom spray to be directed onto water.

For Shoreline Weeds: Allow no more than 2 foot overspray onto water.

AQUATIC SITES WITH EMERGENT WEEDS, SUCH AS WATER HYACINTH, IN QUIESCENT OR SLOW-MOVING WATERS (RIVERS, STREAMS, LAKES, PONDS, RESERVOIRS, BAYOUS, DRAINAGE DITCHES, NON-IRRIGATION CANALS AND MARSHES)

#### DIRECTIONS

Apply in 5 to 15 gallons of water to cover one surface acre. Use drift control agents in the spray solution. Apply through standard boom systems with a minimum of 5 gallons of spray mix per acre.

#### SPRAYING INSTRUCTIONS

Do not apply to more than 1/3 to 1/2 of the water area in any one month because

excessive decaying vegetation may deplete oxygen content of water and kill fish. Waters having limited and less dense weed infestations may not require partial treatments. Other local factors such as water exchange and sediment load can also influence the dissolved oxygen level.

Begin treatments along the shore and proceed outwards in bands to allow fish to move into untreated areas. For large bodies of weed infested waters, leave buffer strips of at least 100 feet wide and delay treatment of these strips for 4 to 5 weeks or until the dead vegetation has decomposed. Repeat as necessary to kill regrowth and plants missed in previous application.

#### RESTRICTIONS AND LIMITATIONS FOR SURFACE APPLICATIONS TO EMERGENT AQUATIC WEEDS:

- Do not make a broadcast application within 21 days of previous broadcast application. Spot treatments are permitted.
- Do not contaminate water used for irrigation or domestic purposes except as indicated in directions for irrigation ditch banks.
- Coordination and approval of local and state authorities may be required, either by letter of agreement or issuance of special permits for aquatic application.

#### Method

[Broadcast/Foliar Air](#)

#### Rates

[field rates 0](#)

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#### Restricted Entry Interval

48 hours

#### Timings

[When leaves are fully developed, above water line and plants are actively growing.](#)