

LO-VOL 4 LB. is a selective herbicide for the control of broadleaf weeds in crops and pastures. It is effective against many of the most troublesome weeds in these areas.

Bindweed	Koona	Red Top
Chickweed	Lamb's quarters	Ragweed
Cornfield sp.	Marestail	Smartweed
Dandelion	Meadow sp.	Thistles
Dock	Nettle, stinging	Wild carrot
Goldenrod	Pigweed	Wild radish
Knutweed		

LO-VOL 4 LB. may also be used on 2,4-D susceptible woody plants such as buckbrush, elder, elderberry, sumac, and willow.

NOTE: Local conditions, crop varieties, and application regulations vary and may affect use of this herbicide. Consult local agricultural experiment station or extension service, weed specialists and state regulatory agencies for recommendations in your area.

Aerial application may be of use for control of weeds on certain crops where there would be no danger of drift to susceptible crops. Applications should only be made by applicators experienced in the use of 2,4-D formulations. Regulations governing aerial application of herbicides are in effect in many states. Consult local regulatory agencies concerning requirements before making applications.

TREATING SMALL AREAS: One tablespoonful of LO-VOL 4 LB. in 1 1/2 gallons of water is about equal to 1 quart in 100 gallons.

When stored at temperatures below freezing, it may be necessary to warm contents to 45° F. and mix thoroughly before using.

PREPARATION OF THE SPRAY: Fill the spray tank with half the required amount of water, then add the recommended amount of LO-VOL 4 LB. and continue filling the spray tank with balance of water. Keep agitator running when filling spray tank and during spray operations. The amount of water required for low-volume applications may vary from 5 to 25 gallons per acre. For high-volume applications, 100 gallons or more of water will be needed for good coverage. In any case, use the same amount of 2,4-D recommended per acre.

TIME OF APPLICATION: Best results are obtained when LO-VOL 4 LB. is used on young weeds that are actively growing. Applications of lower rates to susceptible annual weeds usually will be satisfactory, but for perennial weeds and other conditions, such as in very dry areas where kill is difficult, use higher rates. When used as a selective spray on crops, the stage of growth of the crop must be considered. Some woody plants and weeds are hard to kill and repeat applications may be necessary.

WINDY PLAINS (Wheat, Barley, Rye, etc.): Apply 1 to 2 quarts of LO-VOL 4 LB. in 100 gallons of water per acre. Apply when weeds are in the early stages of growth (fall) but before seed set. In some cases, a second application may be necessary. Apply early in the morning or late in the afternoon. Do not apply if wind is blowing from the direction of the crop. Do not apply if wind is blowing from the direction of the crop. Do not apply if wind is blowing from the direction of the crop.

WINDY PLAINS (Corn, Soybeans, etc.): Apply 1 to 2 quarts of LO-VOL 4 LB. in 100 gallons of water per acre. Apply when weeds are in the early stages of growth (fall) but before seed set. In some cases, a second application may be necessary. Apply early in the morning or late in the afternoon. Do not apply if wind is blowing from the direction of the crop. Do not apply if wind is blowing from the direction of the crop.

High Plains

APR 10 1973

3757-34

LO-VOL 4lb.

Contains 4.0 Pounds of 2,4-D Acid Equivalent Per Gallon

ACTIVE INGREDIENT	
Isooctyl Ester of 2,4-Dichlorophenoxyacetic Acid*	69.0
INERT INGREDIENTS	31.0
TOTAL	100.0

*Equivalent to 2,4-D acid equivalent per gallon

LO-VOL 4 LB. is a selective herbicide for the control of broadleaf weeds in crops and pastures. It is effective against many of the most troublesome weeds in these areas.

Crop (See Detailed Directions on Left Panel)	Amount of LO-VOL 4 LB. per Acre	For Average Conditions
Wheat, Barley, Rye	1 to 2 quarts	100 gallons
Annual weeds	1 to 2 quarts	100 gallons
Perennial weeds	1 to 2 quarts	100 gallons
Pre-emergence	1 to 2 quarts	100 gallons
Post-emergence	1 to 2 quarts	100 gallons
Sorghum	1 to 2 quarts	100 gallons
Post-emergence	1 to 2 quarts	100 gallons

PASTURES: To control many broadleaf weeds in pastures, meadows and rangelands, use 2 pints per acre of LO-VOL 4 LB. in sufficient water to provide for uniform application. Treat pastures when weeds are growing actively. DO NOT apply to newly-seeded pastures until grass is well established or after heading begins. DO NOT apply when grass is in "boot" to "milk" stage. Most legumes are usually injured or killed at the rates recommended. For control of wild garlic and wild onion in pastures, apply 2 to 3 quarts per acre in very early spring and repeat annually until weeds are eradicated. DO NOT graze dairy animals on treated areas within 7 days after treatment.

WOODY PLANT CONTROL: To control 2,4-D susceptible woody plants such as alder, buckbrush, elderberry, sumac and willow on non-crop land and waste areas, use 2 to 3 quarts of LO-VOL 4 LB. in 100 gallons of water. Wet thoroughly all parts of the plants, including foliage and stems, to the point of run-off. Higher volumes are necessary where the brush is very dense and over 6 to 8 feet high. Applications are more effective when applied to actively-growing plants. DO NOT treat during periods of severe drought or in early fall when leaves have lost their healthy green color. Hard-to-kill species may need retreatment the following season.

GENERAL WEED CONTROL: Along fence rows, drainage ditch banks, roadsides, industrial sites, around farm buildings and similar areas. Use 1 to 2 quarts of LO-VOL 4 LB. in 100 gallons of water per acre. Thoroughly wet all foliage to run-off.

Harmful if swallowed.
 May cause skin irritation.
 Avoid contact with eyes, skin and clothing. If contact with eyes occurs, flush with plenty of water.
 DO NOT store near fertilizers, seeds, insecticides or fungicides.
 DO NOT contaminate irrigation ditches or water used for domestic purposes.
 Use care to avoid spray drift to 2,4-D susceptible plants such as cotton, tomatoes, flowers, grapes, fruit trees and ornamentals. Trace amounts of spray drift may cause severe injury to both growing and dormant plants. Coarse sprays are less likely to drift. Spray only on calm days using low pressure and lowered boom. VAPORS from this product may injure 2,4-D sensitive plants in the vicinity.
 Flush sprayer out on suitable non-crop area after use. DO NOT use the same spray equipment for applying other materials to plants. Injury will result.
 DO NOT use empty container. Return to drum or conditioner or destroy by perforating, crushing and burying or discarding in a safe place.
 This product is toxic to fish. Keep out of lakes, ponds, streams. DO NOT contaminate water by cleaning of equipment or disposal of wastes. Apply only as directed on this label.

AMINE 4 LB. is a selective herbicide for control of many broadleaf weeds in certain crops. A partial list of weeds controlled by AMINE 4 LB. is shown below.

Bindweed	Kochia	Plantain
Carpetweed	Lambsquarters	Ragweed
Cocklebur	Mustards	Shepherdspurse
Dandelion	Morningglory	Thistles
Dock	Nettle, stinging	Wild carrot
Goldenrod	Pigweed	Wild radish
Knotweed		

NOTE: Local conditions, crop varieties and application regulations vary and may affect use of this herbicide. Consult local agricultural experiment station or extension service weed specialists and state regulatory agencies for recommendations in your area.

Aerial application may be of use for control of weeds on certain crops where there would be no danger of drift to susceptible crops. Applications should only be made by applicators experienced in the use of 2,4-D formulations. Regulations governing aerial application of herbicides are in effect in many states. Consult local regulatory agencies concerning requirements before making applications.

TREATING SMALL AREAS: One tablespoonful of AMINE 4 LB. in 10 gallons of water is about equal to 1 quart in 100 gallons.

When stored at temperatures below freezing, it may be necessary to warm contents to 45°F. and mix thoroughly before using.

PREPARATION OF THE SPRAY: Fill the spray tank with half the required amount of water, then add the recommended amount of AMINE 4 LB. with agitation and continue filling the spray tank with balance of water. The amount of water required for low-volume applications may vary from 5 to 25 gallons per acre. For high volume applications, 100 gallons or more of water will be needed for good coverage. In any case, use the label amount of 2,4-D recommended per acre.

TIME OF APPLICATION: Best results are obtained when AMINE 4 LB. is used on young weeds that are actively growing. Application rates for susceptible annual weeds usually will be satisfactory, but for perennial weeds and other conditions, such as in very dry areas where knifed soil, use higher rates. When used as a selective spray, the stage of growth of the crop must be considered. Some windy plants and weeds are hard to control and repeat applications may be necessary.

SMALL GRAINS (Wheat, Barley, Rye): Apply AMINE 4 LB. in sufficient water for uniform coverage on small grains when fully tilled or stubbed (4 to 8 inches tall), but before head emerges from the "boot". Crop injury may result if applied earlier than "boot" or later than "boot" stage. Do NOT use on grain under-sown with legumes such as alfalfa, clover, except where some legume cover can be tolerated. Do NOT graze or feed forage from treated fields within 2 weeks after treatment. See chart for recommended rates.

For late season use on the grain, apply AMINE 4 LB. in sufficient water for uniform coverage on growing grain. Do NOT apply in pre-harvest use on grain when the grain is ready for harvest operations. Do NOT use on grain to be used for livestock feed.

CORN POSTEMERGENCE: Apply AMINE 4 LB. from emergence to tassling. AMINE 4 LB. can be applied above 10 inches in height. Use "corn drops" (extension), directing the spray at base of the corn plant.

DO NOT apply from tassling to dough stage. Avoid cultivation, such as after treatment, when corn may be brittle. Hybrids vary in tolerance to 2,4-D. Consult local agricultural experiment station or extension service weed specialists regarding the use of 2,4-D on your specific hybrid. See chart for recommended rates.

High Plains

S-25-72

2737-36

AMINE 4lb. Weed Killer

Contains 4.0 Pounds 2,4-D Acid Equivalent Per Gallon

ACTIVE INGREDIENT	
Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid*	49%
INERT INGREDIENTS	
	51%
TOTAL	100%

*Equivalent to 2,4-Dichlorophenoxyacetic Acid 41

SORGHUM: Apply AMINE 4 LB. when sorghum plants are 6 to 12 inches tall and secondary roots are well established. Use drop nozzles when crop is over 10 inches tall. DO NOT apply from flowering to dough stage. See chart for recommended rate.

SUGAR CANE: Apply as a pre-emergence application before canes appear or as a post-emergence application in spring after cane emerges and through July. See chart for recommended rate.

Amount of AMINE 4 LB. per Acre	For Average Conditions
Wheat, Barley, Rye, Annual Weeds	2 to 3 pints
Perennial Weeds	1 pint
Corn - Post-emergence	1 to 1 pint
Sorghum - Post-emergence	1 pint
Sugar Cane	1 to 2 quarts

PASTURES, MEADOWS, AND RANGELANDS: For control of many broadleaf weeds in pastures, meadows and rangelands, use 2 to 3 pints per acre of AMINE 4 LB. in sufficient water to provide for uniform application. Treat pastures when weeds are growing actively. DO NOT apply to newly seeded pastures until grass is well established, or after heading begins. DO NOT apply when grass is in "boot" to "milk" stage. Most ruminants are usually injured or killed at the rates recommended. DO NOT graze dairy animals on treated areas within 7 days after treatment.

LAWNS, GOLF COURSES, AND SIMILAR TURF: Apply 2 to 3 pints of AMINE 4 LB. per acre in sufficient water to provide uniform coverage. DO NOT apply to newly seeded lawns until grasses become well established. Injury may result if applied to bentgrass, St. August grass, carpetgrass, centipedegrass, Dichondra and clovers in lawns.

GENERAL WEED CONTROL: Apply AMINE 4 LB. in sufficient water for uniform coverage on small grains when fully tilled or stubbed (4 to 8 inches tall), but before head emerges from the "boot". Crop injury may result if applied earlier than "boot" or later than "boot" stage. Do NOT use on grain under-sown with legumes such as alfalfa, clover, except where some legume cover can be tolerated. Do NOT graze or feed forage from treated fields within 2 weeks after treatment. See chart for recommended rates.

Harmful if swallowed or absorbed through the skin. CAUSES IRRITATION OF EYES AND SKIN. DO NOT get in eyes. In case of contact, flush eyes with plenty of water for at least 15 minutes and get medical attention.

DO NOT allow contact with skin or clothing. Wash exposed skin gently with plenty of soap and water. DO NOT store near fertilizers, seeds, insecticides or fungicides.

DO NOT contaminate irrigation ditches or water used for irrigation or domestic purposes. Use care to avoid spray drift to 2,4-D susceptible plants such as cotton, tomatoes, flowers, grapes, fruit trees, and ornamentals. Trace amounts of spray drift may cause severe injury to both growing and dormant plants. Coarse sprays are less likely to drift. Spray only on calm days using low pressure and lowered boom.

Flush sprayer out on suitable non-crop area after use. DO NOT use the same spray equipment for applying other materials to plants as injury will result.

DO NOT reuse empty container. Destroy by perforating and crushing. Bury or discard in a safe place.

SELLER warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and BUYER assumes the risk of any use contrary to such directions. SELLER makes no other express or implied warranty, including any other express or implied warranty of FITNESS or MERCHANTABILITY, and no agent of SELLER is authorized to do so, except in writing with a specific reference. This warranty, however, shall not limit SELLER's liability for any breach of warranty, except the purchase price of the material to which a claim is made.