

## DIRECTIONS FOR USE

**GENERAL INFORMATION — Important!** Make sure that you double check your sprayer to see that it is properly calibrated before using this material. Improper tractor speed, pump pressure, nozzle tip size or rusty equipment will result in poor weed kill or possible heavy crop damage. This material is most effective when applied to small actively growing weeds at temperatures between 70° to 90° F. Do not apply if rain is expected within the hour. The amount of water required for low volume or aerial applications may vary from 2-2½ gallons of water. In any case, use the same amount of material per acre regardless of water volume. Use low pressure equipment (40 pounds) on crops and turf. Local conditions will vary. Check local recommendations first.

### APPLICATION CHART

See Use Directions for Each Crop for Additional Precautions

(Do Not Apply to Sandy Soils)

Crop	Amount Per Acre	App. Acres 1 Gallon Will Treat
CORN	Pre-Emergence	1 to 2 quarts
	Post-Emergence	½ pint
SORGHUM	Post-Emergence Only	½ pint
SMALL GRAIN	Spring Wheat, Oats, Barley	½ to ¾ pint
	Winter Wheat, Rye	½ to ¾ pint
	PASTURES AND TURF	1 to 2 quarts
NON-CROP AREAS AND SPOT TREATMENT	3 qts. in 100 gal. of water	Over-all Spray

### SUSCEPTIBLE WEEDS

(Use lower dosage rate)

Arrowhead, Buckhorn, Cocklebur, Dandelion, Dock, Knotweed, Lambsquarter, Mustard, Morning Glory, Pigweed, Plantain, Ragweed, Sunflower, Wild Carrot, Ralish and Sweet Potato.

### WEEDS MORE DIFFICULT TO KILL

(Use higher dosage rate)

Hindweed, Buckbrush, Buckwheat, Canada Thistle, Horsenettle, Locoweed, Milkweed, Poison Ivy, Hoary Cress, Wild Onion, Willow and Sheep Sorrel.

**CORN — Pre-Emergence:** Apply 1 to 2 quarts in sufficient water for good coverage. Apply after planting, but before corn emerges. Do not apply to sandy soils.

**CORN — Post-Emergence:** Apply ½ pint per acre in sufficient water per acre for good coverage. May be applied at several stages of growth. Use drop nozzles when corn is 10 inches or over. Do not apply from tasseling to dough stage.

**CORN — Early Spraying:** When corn is in tight roll stage, apply as soon as possible after weeds have emerged. Use ½ pint in sufficient water for good coverage. Drop nozzles are not needed. Do not apply to open whorls to avoid damage to growing point.

**Corn — Lay-By Spraying:** When corn is 2 to 3 feet high, use ½ pint per acre in sufficient water for good coverage. At this stage of growth, corn may become brittle from this material so high winds may damage crop 1 to 3 days after spraying. Use drop nozzles.

# Imperial

## NO. 4 2,4-D LOW VOLATILE WEED KILLER

For the Control of Many Broadleaved Weeds, Herbaceous Perennials and Woody Plants Susceptible to 2,4-D

Contains Butoxy Propyl Esters of 2,4-D

### ACTIVE INGREDIENT:

2,4-Dichlorophenoxyacetic Acid, Butoxy Propyl Esters 72.7%

### INERT INGREDIENTS

Total 27.3%

44.8% ACID EQUIVALENT — 4 POUNDS PER GALLON

## CAUTION

KEEP OUT OF REACH OF CHILDREN

See Other Cautions on Side Panel

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME

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Manufactured by

# IMPERIAL INC.

SHENANDOAH, IOWA 51601

## DIRECTIONS FOR USE

**SORGHUM — Post-Emergence Only:** Employ drop nozzles. Apply ½ pint per acre in sufficient water for good coverage. Sorghums are most tolerant to this product when 6 to 12 inches high. Spray a check plot first. Do not apply during flowering to early dough stage.

**SMALL GRAIN** — Winter wheat and rye, treat only in spring. Use ½ to ¾ pint in sufficient water for good coverage. Apply from 1st to 4th leaf stage. Spring Wheat, Oats and Barley, use ½ pint. Use higher dosage rate for hard to kill weeds. Treat when crop is fully tillered to early boot stage. Do not apply during seedling stage or from boot to dough stage. Grain interplanted with legumes should not be plowed under. Injury to legumes can be observed. Do not forage or graze treated grain crops within 2 weeks after treatment with 2,4-D. Do not feed treated straw to livestock.

**PASTURES AND TURF** — For broadleaved weeds, use 1 qt. per acre in sufficient water for good coverage. Apply when weeds are small and actively growing. Do not apply to newly seeded pastures until grass is well established. Do not apply when grass is in boot to milk stage or after heading begins. Most legumes are usually damaged or killed. Do not use on creeping grasses, such as bent, except for spot spraying. Do not graze treated areas by dairy animals within 7 days after application. Do not permit animals being finished for slaughter to graze on treated areas within two weeks after application.

**HARD TO KILL WEEDS IN NON-CROP LAND** — For perennial weeds such as Sow Thistle and Russian Knapweed (see lists in drainage ditch banks, fence rows, and farm roadsides), use 2 to 3 pints in 20 gallons of water with 5 to 8 oz. of spreader sticker and thoroughly wet weed foliage. Treat in spring and again at bloom time before weeds go to seed. Repeat the following year. Do not let spray drift. Keep out of lakes, streams or ponds. Do not contaminate water used for irrigation or domestic purposes.

**SPOT SPRAYING** — Such as thistle in corn, use ½ cup in 3 gallons of water and wet weeds. Garden type pressure sprayers work well. Use coarse spray and avoid wind drift.

### CAUTION

Harmful if swallowed. Do not get in eyes, on skin or clothing. In case of contact wash with soap and water.

Do not use on bent grass, St. Augustine grass, Carpet grass, clover lawns or newly seeded lawns.

Do not overdose. Do not let spray drift to nearby sensitive plants, such as vegetables, flowers, legumes, grapes, cotton, or other 2,4-D sensitive plants. Aerial application should take place only under controlled conditions. Coarse sprays are less likely to drift. Do not store near feeds, seeds, fertilizers, insecticides or fungicides. Use separate equipment for insecticides and fungicides. Under certain high temperature conditions, vapors from this product may injure nearby sensitive crops.

This product is toxic to fish. Keep out of irrigation ditches, lakes, streams or ponds. Apply only as specified on this label. Do not contaminate water by cleaning of equipment or disposal of waste.

Do not reuse empty container. Rinse and add rinsings to spray tank. Destroy by crushing or perforating and burning in non-cropland away from water supplies.

### NOTICE

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, 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 the label or under any other abnormal condition or under conditions not intended by the manufacturer, and buyer assumes the risk of any such use.

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EPA Est. 107-1A-1

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