

2,4-D Ester

HERBICIDE

2,4-D Ester is a cost-effective herbicide that controls a wide range of broadleaf weeds in most cereal grains, corn, seedling and established grasses, grasses and rangeland. 2,4-D Ester provides effective control of volunteer herbicide-tolerant canola and Group 2 and Group 3 herbicide-resistant weeds. As a Group 4 herbicide, 2,4-D Ester is an effective broadleaf herbicide for managing herbicide resistant weeds.

Formulations:

2,4-D Ester 600 formulated as 564 g active/l.

2,4-D Ester 700 formulated as 658 g active/l.

Both 600 and 700: (2,4-D isomer specific, present as 2-Ethyl hexyl Ester)

TANK MIXES

Tank mixes registered on either 2,4-D Ester or tank-mix partner label.

Herbicides

Achieve 80 DG®/Liquid	Express DF®
Ally®	Glyphosate®
Assert®	K2®
Avenge®	Lontrel®
Basagran®	Puma Super®
Bromoxynil	Refine Extra TNG®
Escort®	Sundance®
Everest®	

Insecticides

Decis®	Lorsban®
--------	----------

WEEDS CONTROLLED

Susceptible, easy-to-control weeds in the seedling stage (2-4 leaf stage) and growing rapidly. Use higher rates for larger weeds, or dry or cold weather, or heavy infestations.

2,4-D Ester 600: 0.6-0.95 L/ha (0.24-0.38 L/acre)

2,4-D Ester 700: 0.5-0.8 L/ha (0.20-0.32 L/acre)

Susceptible

Bluebur	Prickly lettuce
Burdock (before the 4-leaf stage)	Ragweeds (common and giant -- including triazine resistant types)
Cocklebur	Redroot pigweed (including triazine resistant types)
Common plantain	Russian pigweed
Daisy fleabane	Russian thistle
False flax	Shepherd's purse
False ragweed	Stinging nettle
Flixweed	Stinkweed
Goat's beard	Sweet clover
Kochia	Thyme-leaved spurge
Lamb's quarters (including triazine resistant types)	Wild radish
Mustards (except dog and tansy)	Wild (prairie) sunflower



ALWAYS READ THE LABEL BEFORE USE

WEEDS CONTROLLED

Less susceptible, harder-to-control weeds in the seedling stage (2-4 leaf stage) and growing rapidly. Use higher rates for larger weeds, or dry or cold weather, or heavy infestations.

- 2,4-D Ester 600: 1-1.5 L/ha (0.40-0.61 L/acre)
- 2,4-D Ester 700: 0.86-1.3 L/ha (0.35-0.53 L/acre)

Weeds listed under susceptible plus:

Annual sow thistle	Leafy spurge
Blue lettuce	Lady's thumb
Biennial wormwood	Peppergrass
Common chickweed	Pineappleweed
Common purslane	Prostrate pigweed
Curled dock (before the 4-leaf stage)	Purslane
Dandelion in lawns	Russian knapweed
Dog and tansy mustard	Sheep sorrel
Oak-leaved goosefoot	Smartweed
Groundsel	Tumble pigweed
Gumweed	Velvet leaf
Hairy galinsoga	Volunteer canola
Hawkweed	Wild buckwheat
Heal-all	Yellow rocket (before the 4-leaf stage)
Hedge bindweed	
Knotweed (before the 4-leaf stage)	

WEEDS CONTROLLED

Top Growth Control only.
 2,4-D Ester 600: 1-1.5 L/ha (0.40-0.61 L/acre)
 2,4-D Ester 700: 0.86-1.3 L/ha (0.35-0.53 L/acre)

Biennial wormwood	Horsetail*
Bull thistle	Leafy spurge
Burdock	Mouse-eared chickweed
Buttercup	Perennial sowthistle
Canada thistle	Russian knapweed
Field bindweed	Tartary buckwheat
Field dandelion	Teasel
Gumweed	Volunteer flax
Hedge bindweed	Volunteer sunflower
Hemp nettle*	Wild buckwheat
Hoary cress	Yellow rocket

*Only rates greater than 1.5 L/ha (2,4-D Ester 600) or 1.3 L/ha (2,4-D Ester 700) will suppress top growth of hemp nettle and horsetail.

WATER VOLUME: Use 50-200 L/ha (4.5-18 gal/acre) for ground application. Small grains generally require 100-150 L/ha (9-13.4 gal/acre). Use higher rates for grasses and non-cropland uses to provide thorough coverage of weeds.

Aerial application use a minimum of 30 L/ha (2.67 gal/acre). For woody growth control on non-grazing land, use 55-165 L/ha (5-14.7 gal/acre).

CAUTION: Avoid spray drift to any sensitive vegetation. Spray during environmental conditions that minimize drift.

RAINFEST: Rainfall within 2 hours will reduce control. DO not spray within 24 hours of rainfall or during hot, dry periods.

Registered Crops, Rates and Timing

Crop	2,4-D Ester 600 Rate		2,4 Ester 700 Rate		Crop Stage
	L/ha	L/acre	L/ha	L/acre	
Wheat Barley Spring Rye	0.6-0.95	0.24-0.38	0.5-0.8	0.20-0.32	4 leaf to early flag leaf (shot blade).
Fall Rye Winter Wheat	0.6-0.95	0.24-0.38	0.5-0.8	0.20-0.32	In spring, apply between full tillering and just before the flag leaf stage. DO NOT APPLY IN THE FALL.
Field Corn	0.46-0.92	0.19-0.37	0.4-0.8	0.16-0.32	Apply as an overall spray before the corn is 15 cm tall (leaf extended) and/or before the 6-leaf stage. For later applications (corn 15-75 cm leaf extended) a shielded spray or directed spray with drop pipes is necessary. Keep spray off corn foliage. Do not apply within 2 weeks of silking and tasselling. Avoid cultivation for 2 weeks after application.
Established grasses for seed production	0.585-0.95	0.237-0.38	0.5-0.8	0.20-0.32	In the spring up to shot blade stage or in the fall after harvest to control annual and biennial broadleaf weeds.
Established grasses for forage	0.585-1.95	0.237-0.79	0.5-1.6	0.20-0.65	In the spring up to shot blade stage or in the fall after harvest to control annual and biennial broadleaf weeds.
Established pastures and rangeland (without legumes)	1.5-4.0	0.61-1.62	1.3-3.4	0.53-1.38	Apply at time of rapid weed growth -- usually May, June and/or September.
Turf*	2.7	1.09	2.3	0.93	Apply at time of rapid weed growth -- usually May, June and/or September before grasses are in the flag leaf (shot blade) stage.
Stubble land, roadsides and uncropped land	1.5-2.75	0.61-1.11	1.3-2.35	0.53-0.95	Apply at time of rapid weed growth -- usually May, June and/or September.

*Do not use on bentgrass or newly seeded turf grasses.



