

Checkmate®

(MCPA Ester 600)

HERBICIDE

Checkmate may be used to control most broadleaf weeds in wheat, oats, barley, rye, flax, pastures and non-crop areas. Checkmate offers a cost-effective solution to broadleaf weeds including many herbicide-resistant weeds and volunteer broadleaf crops. Checkmate offers strong broadleaf weed control alone or in a tank mix maintaining excellent crop safety.

REGISTERED CROPS AND TIMING

Crop	Rate	Timing
Spring cereals (not under-seeded to legumes) – wheat, barley, rye	Up to 1.05 L/ha (425 mL/acre)	Expanded 3-leaf to the early flag leaf or from milk stage to maturity.
Winter cereals – winter wheat, fall barley	Up to 1.05 L/ha (425 mL/acre)	In spring from tillering to shot blade stage. Apply by ground only. Do not apply during flowering or after flag leaf stage. DO NOT APPLY IN THE FALL.
Oats	Up to 900 mL/ha (365 mL/acre)	Apply from 1-leaf expanded to early flag leaf stage.
Flax	Up to 700 mL/ha (283 mL/acre)	Between 5 cm tall (2 inches) to just before buds begin to form. Do not use on low linolenic acid varieties. May apply by ground or air. Early crop injury may be observed but yield should not be affected.
Established forages (alfalfa, alsike, red clover and grasses)	Up to 1.65 L/ha (670 mL/ha)	For control of susceptible winter annuals and perennial weeds, apply in the very early spring before forage growth has started. In pure stands of grasses, apply in fall. Use ground application only.
Stubble land, pastures (without legumes), roadsides, uncropped lands	Up to 2.8 L/ha (1.14 L/acre)	Apply at the time of rapid weed growth, usually May, June and September. Do not apply on freshly seeded grasses and pasture until established. Use 100-300 L water /ha by ground or aerial application.
Woody growth (non-grazing)	1.8 - 3.7 L/ha (728 mL - 1.5 L/acre)	Apply at the time of rapid weed growth, usually May, June and September. Spray brush species up to 3 meters tall after foliage is well developed and leaves are fully open. Use 100-1000 L water per ha.



QUICK SHEET

WATER VOLUME: Apply in the amount of water required for even distribution and uniform coverage of weeds, 50-100 L/ha (5-10 gallons/acre). With aerial applications, use a minimum of 30 L/ha (3 gallons/acre). For knapsack spot spraying use 165 mL product in 10L water.

CAUTION: Avoid spray drift to any sensitive vegetation. Spray during environmental conditions that minimize drift. Excessive amounts of Checkmate may temporarily inhibit seed germination or plant growth.

RAINFALL: Rainfall within 2 hours will reduce control.

PREHARVEST INTERVAL: Do not graze fields or cut for forage within 7 days of application.

RE-ENTRY TIME: Allow spray solution to dry completely on crop canopy.

WEEDS AND RATES

SUSCEPTIBLE: Use 580-900 mL/ha (235 - 365 mL/acre).

Burdock (before 4 leaf stage)	Prickly lettuce
Cocklebur	Ragweeds
Common plaintain	Russian pigweed*
Flixweed*	Shepherd's purse*
Lamb's quarters	Stinkweed
Mustards (except dog and tansy)	Vetch
	Wild radish
	Wild sunflowers

*Use higher rates in rate range.

HARDER TO CONTROL: 1.05 - 1.5 L/ha (425 mL - 3.7 L/acre)

Annual sow-thistle	Hoary cress**
Biennial wormwood	Horsetail**
Blue lettuce**	Kochia
Bluebur	Lady's thumb
Canada thistle**	Leafy spurge**
Corn spurry**	Oat leaved goose foot
Curled dock	Perennial sow-thistle
Dog mustard	Purslane
Field bindweed	Redroot pigweed
Field dandelion	Russian knapweed**
Field peppergrass	Russian thistle
Goat's beard	Smartweed**
Gumweed	Sweet clover (seedlings)
Hairy galinsoga	Tansy mustard
Hedge bindweed**	Tartary mustard
Hemp-nettle (before 4 leaf stage)	

**Use higher rates for top growth control.

LABEL BEFORE USE

TANK MIXES:

Tank mixes registered on either Checkmate or tank-mix partner label

Herbicides

Achieve® 80DG/Liquid

Achieve® Extra Gold

Ally®

Assert®

Avenge®

Bromoxynil

Champion® Extra

Everest®

Fusion®

Glyphosate

Harmony Total®

Hoegrass II

Horizon®

Lontrel®

Poast Ultra®

Puma Super®

Refine Extra TNG®

Select®

Sundance®

Insecticides

Decis®

Lorsban®

ADDITIONAL: Spray at low pressures during warm weather when weeds are young and actively growing. Do not spray in high winds as damage to susceptible crops, ornamentals, and other plants may result even in minute quantities. Avoid application during drought conditions or during exceptionally hot weather.

RESIDUAL CONTROL: None.

RE-CROPPING: Consult tank mix partner label for restrictions.

SURFACTANT NEEDED: Not required.

GUARANTEE: MCPA, 600 g/L (present as 2-ethyl hexyl ester)

PACKAGE SIZE: 2 x 10 L.

STORAGE: Store with container tightly closed away from seeds, fertilizer, plants or foodstuffs. May be stored at any temperature, shake well before using.

HERBICIDE GROUP: Group 4 Herbicide.

Consult the label of the tank mix partner product and follow the most stringent set of precautions, restrictions and directions for use.

