

Table 23. Herbicide efficacy against common weeds in strawberries.

HERBICIDE	Postemergence				Preemergence				
	Scythe ¹ (pelargonic acid)	Gramoxone Extra ² (paraquat)	Amine 4 ³ (2,4-D)	Poast ⁴ (sethoxydim)	Devrinol ⁵ (napropamide)	Dacthal ⁶ (DCPA)	Sinbar ⁷ (terbacil)	Goal ⁸ (oxyflourfen)	Roundup Ultra ⁹ (glyphosate)
Common Weeds									
PERENNIALS									
Canada thistle	P	P	G	N	N	N	N	N	E
clovers	P	P	E	N	N	N	F	N	E
curly dock	P	P	G	N	N	N	N	N	E
dandelion	P	P	E	N	N	N	F	N	E
goldenrods	P	P	G	N	N	N	P	N	E
quackgrass	P	P	N	G	N	N	P	N	E
red sorrel	P	P	E	N	N	N	F	N	E
yellow nutsedge	P	P	F	N	P	N	F	N	G
ANNUAL GRASSES									
barnyardgrass	F	E	N	E	E	G	F	F	E
fall panicum	F	E	N	E	E	F	F	F	E
large crabgrass	F	E	N	E	E	E	G	F	E
oats or rye (from mulch)	F	E	N	E	E	E	G	F	E
ANNUAL BROADLEAVES									
bedstraw	G	E	E	N	P	P	F	F	E
carpetweed	G	E	G	N	G	G	G	F	E
common chickweed	G	E	F	N	E	G	E	F	E
common lambsquarters	G	E	E	N	G	E	E	G	E
common purslane	G	E	G	N	G	G	G	E	E
corn speedwell	G	E	G	N	F	F	G	F	E
galinsoga	G	E	G	N	G	P	G	G	E
horseweed	G	E	G	N	N	N	G	G	E
prickly lettuce	G	E	E	N	E	P	E	G	E
redroot pigweed	G	E	E	N	G	E	G	E	E
shepherd's purse	G	E	G	N	P	P	E	E	E
Virginia pepperweed	G	E	E	N	P	P	G	G	E
yellow wood sorrel	G	E	G	N	P	P	G	E	E

E=90% control or better; G=75-90% control; F=50-75% control; P=5-50% control; N=less than 5% control.

¹ **Scythe**; non-selective contact herbicide. See information on rates and timings earlier in this section.

² **Gramoxone Extra**; non-selective contact herbicide. Excellent for use on emerged vegetation. Use between rows, with directed spray; use shields to prevent contact with non-target plants; extremely toxic to birds and wildlife.

³ **Amine 4**; systemic broadleaf herbicide. Typically used just before renovation; allow 5 days before mowing; also can be used when strawberries are dormant on winter annuals and perennial broadleaf weeds. Never use an ester or low-volatile ester formulation.

⁴ **Poast**; systemic grass herbicide; use on actively growing grasses; will not kill old established grasses. Use with crop oil, avoid applying on hot humid days.

⁵ **Devrinol**; preemergent selective herbicide, must be activated with water or cultivation. Application after renovation for summer annual weed control or in late summer for winter annual weed control. Application before mulching will control volunteer grain from mulch. Heavy rates can inhibit daughter plant rooting.

⁶ **Dacthal**; preemergent selective herbicide, use after mulch removal in spring or in late fall; water or cultivation after application improves control. May be ineffective on cool heavy soils. Do not apply between bloom and harvest. Safe on new plantings.

⁷ **Sinbar**; selective preemergent herbicide. Moisture is required to activate the chemical; also provides early postemergence control.

⁸ **Goal**; selective preplant herbicide. Must be applied at least 30 days prior to transplanting. The soil must be worked to a depth of at least 2.5 inches prior to transplanting the crop. The use of a preemergence herbicide after transplanting is also recommended.

⁹ **Roundup Ultra**; non-selective preplant herbicide. Must be applied at least 30 days prior to transplanting. Provides control of most annual and perennial weeds. Application to perennial weeds should take place the Fall prior to transplanting for best control.