

Appendix 4. Weed-Herbicide Interactions

Table 1. Estimated effectiveness of herbicides on selected broadleaf weed in vegetables.

Herbicide	Amaranthus	Eclipta alba	Florida beggarweed	Florida pusley	Parthenium	Lambs quarter	Purslane	Morning glories	Nightshade	Ragweed	Southern sida
PREPLANT INCORPORATED											
Command (P)	F-G	-	-	G	-	G-E	E	P	-	F-G	-
Dacthal (T/P)	F-G	-	F	F	-	G	G	P	F	-	F
Devrinol (T/P)	F-G	P	P	G-E	P	G-E	G	P	P	-	-
Dual (P)	G	G	F-G	G-E	-	F-G	F	P	F	F	G
Prefar (T/P)	F	P	P	E	-	F-G	F	P	P	P	P
Sencor (T)	E	G	G-E	G	G	E	G	G-E	P	G	G
Treflan (T/P)	G-E	F-G	P	E	P	G-E	E	P	P	P	P
PREEMERGENCE											
Command (P)	F-G	-	-	G	-	G	E	P	-	F	-
Dacthal (T/P)	F-G	-	F	F	-	G	G	P	F	-	F
Devrinol (T/P)	F	P	P	G	P	G	G	P	P	-	-
Dual (T/P)	G	G	F	G	-	F	P	P	F	F	G
Goal (T/P)	E	E	G	G	G	E	E	G	G	G	G
Matrix (T)	G-E	E	E	-	-	E	E	-	F	G	-
Sencor (T)	G	F-G	G	G	G	E	G	F	P-F	G	G
POSTEMERGENCE											
Aim (T/P)	E	G	G	G	-	E	G	G	E	E	G-E
Gramoxone/Firestrom (T/P)	E	E	G-E	G	P	E	G	F-G	F	G	G
Matrix (T)	G	G	G	G	-	P	-	G	P	G	-
Poast (T/P)	N	N	N	N	N	N	N	N	N	N	N
Select (T/P)	N	N	N	N	N	N	N	N	N	N	N
Sandea (T/P)	G	F	-	P	-	P	F	G	-	G	-
Sencor (T)	E	F	G	G	P	G	F-G	P	P	F-G	F

E = 90-100% **N** = no control **G** = 80-90% **-** = no data **F** = 60-80% **P** = below 60%
 After herbicide name, use on: **T** = for tomato **P** = for pepper **T/P** = for tomato and pepper

Table 2. Estimated effectiveness of herbicides on selected grasses and sedges in vegetables.

Herbicide	Grasses						Sedges		
	Barnyard grass	Bermudagrass	Broadleaf signalgrass	Crabgrass	Goosegrass	Panicums (fall & texas)	Purple nutsedge	Yellow nutsedge	Annual sedges
PREPLANT INCORPORATED									
Command (P)	E	G-E	E	E	E	G-E	P	P	P
Dacthal (T/P)	G	G	F	G	G	F	P	P	P
Devrinol (T/P)	E	E	E	E	E	G-E	P	F	F
Dual (P)	G	G-E	E	E	E	G	P-F	G	G-E
Prefar (T/P)	G	G	G	G	G-E	F-G	P	P	P
Sencor (T)	G	F-G	G	G-E	G-E	F-G	P	P	P
Treflan (T/P)	E	G	G-E	E	E	G	P	P	P
PREEMERGENCE									
Command (P)	E	E	E	E	E	E	P	P	P
Dacthal (T/P)	F-G	F-G	F	G	G	F	P	P	P
Devrinol (T/P)	E	E	E	E	E	G-E	P-F	F	F-G
Dual (T/P)	E	E	E	E	E	G-E	P-F	F-G	E
Goal (T/P)	E	P	F	F	F	P	P	F	G
Sencor (T)	F	F	G	G	G-E	P	P	P	P
POSTEMERGENCE									
Aim (T/P)	P	P	P	P	P	P	P	P	P
*Gramoxone/Firestorm (T/P)	E	E	E	E	E	E	F-G	F-G	G
Poast (T/P)	E	G-E	E	E	G	E	N	N	N
Select (T/P)	E	G-E	G-E	G-E	E	E	N	N	N
Sandea (T/P)									
Sencor (T)	F	P	P-F	F	F-G	P	P	P	P

E = 90-100% **N** = no control **G** = 80-90% - = no data **F** = 60-80% **P** = below 60%

* Initial burndown with sedges and other perennial weed can be complete but regrowth occurs.

After herbicide name, use on: **T** = for tomato **P** = for pepper **T/P** = for tomato and pepper

Adapted from the Vegetable Production Handbook Dr. Bill Stall