

Chemical Weed Control for Wheat and Barley in the Low Deserts of Arizona

Herbicide	Rate (lb ai/a)	Grasses				Mustard			Chenopodium			Composite		Other		Comments	
		Canarygrass	Wild oats	Rabbitfoot grass	Italian ryegrass	London rocket	Shepardspurse	Wild mustard	Nettleleaf goosefoot	Lambsquarters	Russian thistle	Annual sowthistle	Prickly lettuce	Silversheath knotweed	Little mallow		
Banvel 2S & Clarity 4S	0.06 to 0.125	○	○	○	○	●	●	●	●	●	●	●	●	●	●	●	Less crop safety than MCPA, 2,4-D & Buctril especially on barley. Should be applied prior to 5 leaf stage of growth. <u>Drift Hazard</u> . Tank mixes with other herbicides may increase potential crop injury.
2,4-D	0.25 to 0.50	○	○	○	○	●	●	●	●	●	●	●	●	●	●	●	<u>Drift Hazard</u> to a wide range of broadleaf crops. Should be applied after tillering & before boot stage of growth. Tank mixes with other herbicides may increase potential of crop injury.
MCPA	0.25 to 1.5	○	○	○	○	●	●	●	●	●	●	●	●	●	●	●	<u>Drift Hazard</u> but safer to cotton & alfalfa than 2,4-D. Apply after tillering & before boot stage. Tank mixes will increase potential crop injury.
Buctril 2E & 4E	0.25 to 0.5	○	○	○	○	●	●	●	●	●	●	●	●	○	○	○	This is a contact herbicide & will only control small weeds. Less drift hazard. Can be applied from emergence to boot stage of crop development.
Aim 40 WG & 2E	0.008 to 0.31	○	○	○	○	○	●	●	●	●	●	●	○	●	●	○	Contact herbicide with little or no residual activity. Good coverage to actively growing weeds is essential.
Hoelon 3E	0.75 to 1.0	●	●	○	●	○	○	○	○	○	○	○	○	○	○	○	Canarygrass with 3 or more leaves will not be controlled. Crop oil will improve control but may increase temporary crop injury.
Avenge 2S	0.625 to 1.0	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	May cause unacceptable crop injury to durum & other wheat varieties. Will control wild oat up to 5 leaf stage. Resistance of wild oats has been noted in several western states.
Achieve 40 DG	0.18 to 0.24	●	●	*	●	○	○	○	○	○	○	○	○	○	○	○	Best weed control will result if applied after most of the weeds have emerged and the largest ones are no more than 4 to 7 leaves.

○ No control ● Partial control ● Good control * Not yet enough local data to evaluate