

Herbicides for Post-Harvest Weed Control Prior to Pulses—2019

Herbicide*	Herbicide Group	Pulse Spring Crop Seeding Options	Primary Target	Comments
2,4-D**	4	Chickpeas, dry beans, faba beans, field peas, lentils, and soybeans	Broadleaf weeds	Rates and timing may affect germination of sensitive crops the following spring
Aim® (carfentrazone)	14	Chickpeas, dry beans, faba beans, field peas, lentils, and soybeans	Broadleaf weeds	Must be tank-mixed with glyphosate
Avadex® Liquid EC/Avadex® MicroActiv (triallate)	8	Field peas	Wild oat	Incorporate and seed 1/2 inch below depth of incorporation
BlackHawk® (pyraflufen-ethyl + 2,4-D Ester)	14+4	Chickpeas, dry beans, faba beans, field peas, lentils, and soybeans	Broadleaf weeds	Can be tank-mixed with glyphosate, Valtera™, or Fierce®
CleanStart® (carfentrazone + glyphosate)	14+9	Chickpeas, dry beans, faba beans, field peas, lentils, and soybeans	Broadleaf and grassy weeds	Can be tank-mixed with glyphosate
Distinct®** (diflufenzopyr + dicamba)	4+19	Lentils, field peas, and soybeans (only with low rate, 80 acres per case, applied prior to Oct 1. High rate for cereals only)	Broadleaf weeds	Must be tank-mixed with glyphosate
Edge® Granular/Edge® MicroActiv (ethafluralin)	3	Chickpeas, dry beans (navy, kidney), faba beans, field peas, lentils, and soybeans	Broadleaf and grassy weeds	Must be soil incorporated Do not apply to soils <2% or >15% organic matter
Express® SG/Nuance®/Spike®/MPower® X/Inferno™ WDG (tribenuron methyl)	2	Dry beans, chickpeas, faba beans, field peas, lentils, and soybeans	Broadleaf weeds	Must be tank-mixed with glyphosate Soil restrictions may apply
Fierce® (flumioxazin + pyroxasulfone)	14 + 15	Soybeans, chickpeas, field peas, lentils (small red and large green)	Broadleaf and grassy weeds	Can be tank-mixed with glyphosate and BlackHawk®
Glyphosate (many brands)	9	Chickpeas, dry beans, faba beans, field peas, lentils, and soybeans	Broadleaf and grassy weeds	Follow label recommendations regarding temperature at application
Heat® LQ (safinlufenacil)	14	Chickpeas, faba beans, field peas, lentils, and soybeans	Broadleaf weeds	Must be tank-mixed with glyphosate
MCPA Amine**	4	Chickpeas, field peas, and lentils	Broadleaf weeds	Must be tank-mixed with glyphosate
Treflan® Liquid EC/Treflan® MicroActiv™/Rival®/Bonanza® (trifluralin)	3	Dry beans, faba beans, field peas, lentils, and soybeans	Broadleaf and grassy weeds	Must be soil incorporated Incorporate within 24 hours of application
Valtera™ (flumioxazin)	14	Chickpeas, field peas, lentils, and soybeans	Broadleaf weeds	Can be tank-mixed with glyphosate and BlackHawk®

*This chart is intended as a guide only. Consult product label prior to use for final detailed instructions.

**For 2,4-D and MCPA prior to lentils and Distinct® prior to pulses. Insufficient rainfall (in the fall after application to freeze-up, or in the spring after the soil has thawed to planting) increases risk of excessive soil residue remaining at planting, increasing the risk of injury to seedling.