



Herbicides for Post-Harvest Weed Control Prior to Pulses

April, 2023

Herbicides for Post-Harvest Weed Control Prior to Pulses

Herbicide*	Herbicide Group	Pulse Spring Crop Seeding Options	Primary Target (Fall Application)	Comments
2,4-D**	4	Lentils, Field Peas, Chickpeas, Dry Beans, Faba Beans, Soybeans	Broadleaf weeds	Rates and timing may affect germination of sensitive crops the following spring
Aim® (carfentrazone)	14	Lentils, Field Peas, Chickpeas, Dry Beans, Faba Beans, Soybeans	Broadleaf weeds	Must be tank-mixed with glyphosate
CleanStart® (carfentrazone + glyphosate)	14 + 9	Lentils, Field Peas, Chickpeas, Dry Beans, Faba Beans, Soybeans	Broadleaf and grassy weeds	Can be tank-mixed with glyphosate
Intruvix™ Herbicide (carfentrazone + dicamba + tribenuron methyl)	2 + 4 + 14	Lentils, Dry Beans (white), Soybeans	Broadleaf weeds	Must be tank-mixed with glyphosate; Apply product prior to October 1
Focus® (carfentrazone-ethyl + pyroxasulfone)	14 + 15	Lentils, Field Peas, Soybeans	Broadleaf and grassy weeds	Can be tank-mixed with glyphosate. Do not apply to soils 7% organic matter
Distinct®** (dicamba + diflufenzopyr)	4 + 19	Lentils, Field Peas, 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
Express® FX (dicamba + tribenuron methyl)	2 + 4	Lentils, Dry Beans (white), Soybeans	Broadleaf weeds	Must be tank-mixed with glyphosate; Apply product prior to October 1
Edge® Granular/Edge® MicroActiv (ethafluralin)	3	Lentils, Field Peas, Chickpeas, Dry Beans (navy and kidney), Faba Beans, Soybeans	Broadleaf and grassy weeds	Must be soil incorporated; Do not apply to soils 15% organic matter
Valtera™ (flumioxazin)	14	Lentils, Field Peas, Chickpeas, Soybeans	Broadleaf weeds	Can be tank-mixed with glyphosate and BlackHawk®
Fierce® (flumioxazin + pyroxasulfone)	14 + 15	Lentils (small red and large green), Field Peas, Chickpeas, Soybeans	Broadleaf and grassy weeds	Can be tank-mixed with glyphosate and BlackHawk®
BlackHawk® (pyraflufen-ethyl + 2,4-D Ester)	14 + 4	Lentils, Field Peas, Chickpeas, Dry Beans, Faba Beans, Soybeans	Broadleaf weeds	Can be tank-mixed with glyphosate, Valtera™, or Fierce®
Heat® LQ (saflufenacil)	14	Lentils, Field Peas, Chickpeas, Faba Beans, Soybeans	Broadleaf weeds	Must be tank-mixed with glyphosate
Avadex® Liquid EC/Avadex® MicroActiv (trilalate)	15	Field peas	Wild oat	Incorporate and seed 1/2 inch below depth of incorporation
Express® SG/Inferno™ WDG/ Involve® 50 WDG/MPower® X/ Nuance®/Spike® (tribenuron methyl)	2	Lentils, Field Peas, Chickpeas, Dry Beans, Faba Beans, Soybeans	Broadleaf weeds	Must be tank-mixed with glyphosate Soil restrictions may apply
Bonanza®/Rival®/Treflan® Liquid EC/ Treflan® MicroActiv™ (trifluralin)	3	Lentils, Field Peas, Dry Beans, Faba Beans, Soybeans	Broadleaf and grassy weeds	Must be soil incorporated; Incorporate within 24 hours of application

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glyphosate (many brands)	9	Lentils, Field Peas, Chickpeas, Dry Beans, Faba Beans, Soybeans	Broadleaf and grassy weeds	Follow label recommendations regarding temperature at application
MCPA Amine**	4	Lentils, Field Peas, Chickpeas	Broadleaf weeds	Must be tank-mixed with glyphosate

*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.

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