



THE PULSE AGRONOMY NETWORK
PARTNERSHIP WITH INDUSTRY



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Plan Now for Sowing Peas Next Year - Post-Harvest Weed Control for Peas

Weed control in field peas needs to be done proactively and usually starts in the fall. Perennial weeds and winter annuals can reduce yield and prove difficult to control in the spring, especially in-crop. If a pre-harvest application of glyphosate wasn't an option (with a crop grown for seed or if weeds were not evident prior to harvest), there is still time for a post-harvest burndown. Dandelion, flixweed, narrow-leaved hawk's-beard, quackgrass, sow thistle and shepherd's-purse can start growing quite early in the spring, using up precious soil moisture and nutrients.

Post-harvest burndown can be more effective than a pre-harvest herbicide application, as weeds establish better following the removal of the crop canopy. Not only does the crop canopy slow weed growth by limiting sunlight, but the canopy can prevent spray penetration that is necessary to achieve an adequate level of weed control. In order to maximize the efficacy of a post-harvest application, wait for weeds to re-grow after harvest. Depending on the temperatures (cooler temperatures often mean slower growth and therefore slower uptake of systemic herbicides), you may need to wait a few weeks after harvest for new growth before spraying perennial weeds like Canada thistle. That needs to be balanced out with the potential of frost damage. Plants need to be in good growing condition with leaves relatively undamaged by frost to get the best uptake of the herbicide.

A fall burndown will help control perennial and winter-annual weeds, but a spring pre-seed application of glyphosate may still be warranted to catch spring-germinating weeds.



Determination of Dockage

Dockage is defined under the Canada Grain Act as “any material intermixed with a parcel of grain, other than kernels of grain of a standard of quality fixed by or under this Act for a grade of that grain, that must and can be separated from the parcel of grain before that grade can be assigned to the grain.” When assessing dockage, the Canadian Grain Commission will take the supplied sample (about 900 grams is required) and clean it with a hand sieve to determine the amount of dockage.

For peas, beans and fababeans, and depending on the size for the crop, the following hand sieve sizes may be utilized:

No. 8 slotted – for smaller seed sizes

No. 9 slotted – for medium seed sizes

No. 11 slotted – for larger seed sizes

For chickpeas the following hand sieve sizes may be used:

Kabuli: No. 18 round-hole sieve (large seeded),

No. 12 slotted sieve (medium seeded)

Desi: No. 12 slotted sieve

For lentils, the process is slightly different, initially the lentil sample would be sieved through a No. 14 round-hole sieve in order to size the sample:

If . . .	The sample will be cleaned as . . .	Dockage determined with...
10% or more remains on top of the No. 14 round-hole sieve	<i>Large</i>	No. 12 round-hole sieve
Less than 10% remains on top of the No. 14 round-hole sieve	<i>Small</i>	No. 9 round-hole sieve

In all instances, dockage is assessed and recorded to the nearest 0.1%. More information may be found in the Official Grain Grading Guide on the Canadian Grain Commission website:

<http://www.grainscanada.gc.ca/oggg-gocg/ggg-gcg-eng.htm>

Switch™ 62.5 WG Fungicide Label Expanded

The Pest Management Regulatory Agency (PMRA) recently announced the label expansion of Switch WG Fungicide to include control of white mold (*Sclerotinia sclerotiorum*) and gray mold (*Botrytis cinerea*) **on dry and succulent beans (including kidney, pinto and navy beans, chickpea, lupins, and fava beans)** in Canada. The active ingredients in Switch WG Fungicide are Cyprodinil and Fludioxonil (a Group 9 and a Group 12 fungicide). Switch was already labelled for disease control on a number horticultural crops.

Users should consult the complete label before using Switch WG Fungicide. Switch WG Fungicide can be used for control of white mold and gray mold on dry and succulent beans at a rate of 775 – 975 g product per hectare in 175 to 225 L water per hectare as a foliar spray. Apply the higher application rate under conditions of high disease pressure. Begin applications prior to or at the onset of disease and repeat applications at 7 day intervals if conditions remain favourable for disease development. For white mold control, make the first application at 10-20% bloom. In some locations, a single application at this timing will provide adequate disease control. Do not apply more than 1.1 kg ai/ha of cyprodinil products and 0.73 kg ai/ha of fludioxonil containing products per crop and do not exceed three (3) applications per year. Do not apply within 7 days of harvest. Follow all other precautions and directions for use on the Switch WG Fungicide label carefully.

For copies of the new minor use label visit the Syngenta Canada website at

http://www.syngenta.ca/PDF/Labels/SWITCH_28189_en_pamphlet.pdf

APG Zone AGMs:

Mark your calendar for the upcoming Zone Annual General Meetings! You could win admission to Farm Tech by attending your Zone AGM.

Zone 1 December 7, 2009

Time: 9:30 am Registration
Luigi's in Taber
Contact: Elizabeth Tokariuk
403-345-6550
email: conservation@platinum.ca

Zone 2 November 16, 2009

Time: 9:00 am - 4:00pm
Three Hills Community Hall
In Cooperation with Alberta Barley
Producers Commission and Alberta
Canola Producers Commission
Contact: Gerry Good 403-337-2212

Zone 3 November 18, 2009

Time: 11:30-4 Includes Lunch
Westlock Legion Hall
Contact: Cliff Cyre 780-349-4775

Zone 4 December 4, 2009

Time: 9:30 am Registration
Sexsmith Civic Centre
In Cooperation with Alberta Canola
Producers Commission
Contact: Linda Schmidt 780-836-2107

Zone 5 November 17, 2009

Time: 9:00 am-4:30 pm
Vegreville Social Centre
In Cooperation with the Alberta
Canola Producers Commission
Contact: Wayne Wascherol
780-853-9467

**Alberta Pulse Growers Commission
Annual General Meeting**

1:00 pm, January 28, 2010
Mayfield Hotel Inn, Edmonton
Contact APG office for details
780-986-9398
1-877-550-9398

Previous PAN Bulletins

View Previous PAN Bulletins at:

<http://www.pulse.ab.ca/ForProducers/Publications/PulseAgronomyNetwork/tabid/125/Default.aspx>

If there is an article that you would like to see or contribute to the Pulse Agronomy Network, e-mail reply or call 780-986-9398 Ext3.

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