

Lance (Boscalid) Fungicide: A New Tool for Canadian Potato Growers

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LANCE WDG fungicide is a 70% water dispersible granular containing BOSCALID, a completely new active ingredient belonging to the anilid group of fungicides. LANCE WDG fungicide controls early blight - *Alternaria solani* - in potatoes via a completely novel mode of action that interferes with the enzyme succinate ubiquinone reductase (complex II) in the mitochondrial electron transport chain. LANCE WDG is the first product that utilizes this effective mode of action and, as such, is an excellent rotational tool. When applied at the beginning of the fungal lifecycle, LANCE WDG inhibits spore germination, growth of the germination tube, formation of appressoria., mycelial growth and spore development providing excellent performance against early blight under a wide range of conditions.

LANCE WDG fungicide should be applied in a regularly scheduled protective spray program in rotation with other fungicides. Growers may apply up to 4 applications per season beginning when conditions are favourable for disease development and up to 30 days prior to harvest.

LANCE WDG has been registered by BASF Canada in over 70 other crops in Canada at the same time as approval was received in the US, bringing this important new early blight tool to Canadian growers early to help ensure equal access to this important new technology. LANCE WDG is also registered for use in many fruiting, root and bulb vegetables; in berries, stone fruit and strawberry; and in many field crops.

BASF would like to acknowledge the assistance of many researchers, extension personnel and growers for their assistance in bringing this unique new early blight tool to Canadian potato growers.