Spotlight Plus® for Potato Haulm Desiccation

Spotlight Plus® is a purpose built horticultural herbicide. The formulation with its built-in adjuvant system has been designed to maximise efficacy and reduce drift. Spotlight Plus has an excellent toxicological profile meaning that it is safe to both environment and personnel. While Spotlight Plus has only very recently received registration for potato haulm desiccation, it has been previously registered as a stand-alone product to control suckers on a wide range of crops such as grapevines and olives and when tank-mixed with knockdown herbicides for the control of hard-to-kill broadleaf weeds such as marshmallow.

How does Spotlight Plus work?

Spotlight Plus is a non residual, contact herbicide that is readily absorbed by green leaves and stems of broadleaved plants with no translocation within the plant to roots or to other unsprayed leaves. When used at the label rates Spotlight Plus has no residual activity from herbicide that falls onto soil.

The active constituent in Spotlight Plus (Carfentrazone-ethyl) is a unique, herbicidal molecule that interacts with the plant’s photosynthetic system to form highly active compounds. These compounds rupture the plant cell membranes resulting in the cell contents leaking out which causes rapid cell death. Because this mode of action is connected with phytosynthesis, sunlight is essential for expression of herbicidal activity. Spotlight Plus is not translocated from where spray lands on susceptible green leaf and stem tissue.

Spotlight Plus for Potato Haulm Desiccation

Potato tubers should be fully developed and at the required size for harvest. Some senescence of the tops may be evident. Crops showing some natural senescence may desiccate quicker than crops still actively growing. Haulm kill may be slower than that from Reglone®.

Spotlight Plus is suitable for use on all varieties of potatoes for seed and fresh use.

Delay digging for 2 to 3 weeks after the final application to ensure skin on the tuber is hardened sufficiently to minimise damage from the digging operation.

Apply Spotlight Plus in a sufficiently high water volume (300 – 600 L/ha) to ensure good coverage of haulms. Use of the highest spray pressure through low drift air induction nozzles may assist in depositing spray onto the stem. Use good quality water, preferably in the pH range of 5 – 7. Cold water will not affect the performance of Spotlight Plus.

Spotlight Plus does not translocate to the tuber but avoid spraying if the tops are wilting due to dry stress as the final level of desiccation may be reduced. Spotlight Plus is not known to cause stem end browning or other physiological problems in stored tubers.

Spotlight Plus has a rapid rainfast period of only one hour.

The label

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<td>1.0 to 1.5 L/ha</td>
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Spotlight Plus is classified as a Group G herbicide

Flail with no chemical follow up

Flail followed by diquat 3.0 L/ha

Flail followed by Spotlight plus 1.0 L/ha

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