

# SPOTLIGHT® PLUS

Version and date: Version 5 – Autumn 2008

Changes since last version: Removal of S35 & addition of S2 & S46



This label is compliant with the Voluntary Initiative Guidance.

**FORMULATION AND ACTIVE INGREDIENT:** A micro-emulsion (ME) formulation containing 60g/l carfentrazone-ethyl for the desiccation of potato haulm.

**PACK SIZE:** 5LT

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**MAPP No.** 12436

**Protect from frost. Shake well before use.**

<b>IMPORTANT INFORMATION</b>			
<b>FOR USE ONLY AS AN AGRICULTURAL DESICCANT</b>			
<b>Crop</b>	<b>Maximum individual dose (litres product/ha)</b>	<b>Maximum total dose (litres product/ha)</b>	<b>Latest time of application</b>
Potato (ware)	1.0	1.6	7 days before harvest
Potato (seed)	1.0	1.6	7 days before harvest

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

	<b>Spotlight® Plus</b>	A micro-emulsion (ME) containing 60 g/l carfentrazone-ethyl
	<b>Xi - IRRITANT</b>	<b>R43 – May cause sensitisation by skin contact.</b> <b>R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</b>
	<b>N-DANGEROUS FOR THE ENVIRONMENT</b>	S2 – Keep out of reach of children. S24 – Avoid contact with the skin. S37 – Wear suitable gloves. S46 – If swallowed, seek medical advice immediately and show this container or label. S57 – Use appropriate containment to avoid environmental contamination.
		To avoid risk to man and the environment, comply with the instructions for use.

## SAFETY PRECAUTIONS

### Operator Protection

- Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment.
- WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate.
- However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.
- AVOID ALL CONTACT WITH SKIN.
- WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.
- WHEN USING DO NOT EAT, DRINK OR SMOKE.

### Environmental Protection

- Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

### Storage and Disposal

- RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.
- KEEP OUT OF THE REACH OF CHILDREN.
- KEEP AWAY FROM FOOD AND DRINK, INCLUDING ANIMAL FEED AND DRINK.
- KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

### Restrictions

- Do not leave the diluted product in the tank overnight.
- Spotlight Plus should not be applied through Knapsack sprayers.
- Because some non-target plants are sensitive to Spotlight Plus, avoid spray drift onto broad-leaved crops outside of the target area.

### Succeeding and replacement crops

There is no restriction on the planting of any succeeding crop 1 month after the application of Spotlight Plus.

## **DIRECTIONS FOR USE**

**Important: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.**

### **TIMING**

#### **Seed and ware crops:**

Apply Spotlight® Plus at the onset of senescence.

For crops with very vigorous haulm or where re-growth occurs following a single application a second application may be necessary to achieve satisfactory desiccation. This may be the case for certain maincrop varieties, especially Maris Piper, because of inherent vigour. A minimum interval between applications of 7 days should be observed to achieve optimum performance.

Allow at least 14-21 days between the final application and lifting to allow skins to set if tubers are to be stored.

#### **Flailed Crops:**

Crops should be flailed when tubers have reached the desired size and sprayed with Spotlight® Plus ensuring that the flailed haulm is not covering the stems that remain. Efficacy will be reduced where flailed haulm covers the stems at application.

### **DOSE**

#### **Seed and ware crops:**

The recommended dose of Spotlight® Plus after flailing of the crop is 1.0L product/ha

When a second application is made this must not exceed 0.6L product/ha

Consult processors before using on early and second early varieties.

#### **Volume of water and spray pressure**

Apply Spotlight® Plus in 300 to 600 l of water per hectare (use a higher water volume where potato foliage is dense) and at a minimum spray pressure of 3 Bar. A medium spray quality should be used (as defined by BCPC). Do not apply via knapsack sprayer

#### **Spray criteria**

As Spotlight® Plus acts by contact action only it is important to follow the application parameters stated below if optimum desiccation is to be achieved.

- Application using a well maintained and calibrated sprayer
- Volume of water adjusted to the density of foliage (300-600 l/ha).
- Pressure and forward speed adjusted to obtain the best penetration of the product into the foliage

### **MIXING**

#### **SHAKE WELL BEFORE USE**

Half fill the spray tank with clean water. Commence agitation. Steadily pour the required amount of Spotlight Plus into the spray tank or induction bowl. Ensure all product has thoroughly mixed with the water and no traces are present in the induction bowl. Complete filling of the spray tank and maintain agitation until spraying is complete.

## SPRAY TANK CLEAN-OUT

To avoid potential damage to other crops thoroughly clean all spray equipment (including inside and outside of the lid) using clean water:

1. Immediately after spraying of Spotlight® Plus, drain tank completely. Any contamination of the outside of the spraying equipment should be removed by washing with water to which should be added a commercially available cleaning agent (eg. All Clear Extra™)
2. Rinse the inside of the tank with clean water, to which should be added a commercially available cleaning agent (eg. All Clear Extra™) and flush through the boom and hoses using at least one tenth of the spray tank volume. Drain tank completely. Repeat operation.
3. Do not contaminate surface waters or ditches with rinse water or empty containers.

## DISPOSAL OF EMPTY PACKAGING AND SURPLUS PRODUCT AFTER TREATMENT

The empty packaging which contained this product must be rinsed with water using a manual system (three successive rinsing procedures), or by using a system of washing with water under pressure. The water used for cleaning must be returned into the spray tank. The packaging must be removed by the user to an assembly point established for this purpose. Dilute any surplus product left after treatment by about 10 times, and spray it on the area already treated in accordance with the instructions for use.

## WARRANTY

The seller makes no warranty, expressed or implied, with regard to the use of the product other than that indicated on the label. The purchaser and user shall assume all risk associated with the use and/or handling and/or the storage of the product, if this use/and/or handling and/or storage are carried out contrary to the instructions on the label.

## DAMAGES

Buyer's or user's exclusive remedy for damages, breach of warranty, or negligence, shall be limited to the direct damage, and shall not exceed the purchase price of the product, and shall not include any incidental or consequential damages.

TECHNICAL ENQUIRIES:	01480 403333
24 HOUR EMERGENCY NUMBER:	0032 1458 4545

**Always read the label. Use pesticides safely.**

**BELCHIM Crop Protection Limited**  
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