

RootGuard™

ADVICE

- **RootGuard may be used prior to drilling a commercial crop any time of the year.**
- **The warmer it is the shorter the cycle will be with a minimum of 54 days to reach the flowering stage.**
- **The presence of yellow mustard seeds in RootGuard facilitates coverage of the soil and supplements fumigation with suppression of invasive weeds.**

BENEFITS

- **suppression of a range of nematode species;**
- **deter wireworm populations;**
- **reduction in weeding costs—either in herbicide applications, and/or labour costs;**
- **particularly important for organic farming systems.**

CONTENTS

- **70% Pacific Gold EU certified seeds (UK NL-CPVO); contains 97% 2-Propenyl, aliphatic Glucosinolate, highly nematode resistant;**
- **30% Idagold EU certified seeds (UK NL-CPVO); contains 93% 4-Hydroxy benzyl, cyclic Glucosinolate, nematode resistant, weed suppressor.**

TECHNICAL

- **TSW: 3.06 g +/-**
- **Drilling depth: 1 - 2.5 cm**
- **Drilling density: 3.9 kg/ha**
- **Row spacing: 7 inches**
- **Optimal heat unit per day: 800°C**
- **Germination: within 5 days at temperatures above 16°C**
- **Rhizoctonia management: Increase density by 60% for In line drill or 80% for autocast.**

CROP ESTABLISHMENT

- **Correct drilling is a key element to the success of the crop fumigant efficacy;**
- **Allow for a homogeneous seed-bed and seed-press;**
- **Check on density adjustments per timing, drill method and soil types;**

- **Drilling is based on standard density of 4 kg/ha.**

FUMIGATION PROCESS

- **Due to the nature of the iso thiocyanates, the fumigation process is based on crop incorporation.**
- **For a optimal effect, incorporation should take place when plants contain their highest levels of glucosinolates;**
- **This should be at around 10 days after the start of flowering;**
- **Thinly chop or mow the plants and incorporate on the same day at 10 – 15cm depth;**
- **Wet soil will enhance the incorporation and efficacy of the fumigation process.**

COOL OFF

- **Allow a cooling-off period of 12-14 days after incorporation before subsequent crop drilling.**

WARNING

- **Seeds to be used for soil fumigation and green manure purposes only;**
- **Use of these seeds for multiplication purpose is an infringement of AAP's license and the England Seed Marketing Regulations, and is liable to prosecution.**