



Onion purple blotch

Alternaria porri

| | Prevention | Monitoring | Direct Control | Direct Control | Restrictions |
|---|---|---|---|--|--|
|  <p>Small white to yellowish sunken spots on the leaves. (Photo courtesy of M.Morales, Comell University)</p>  <p>Purple sunken spots on affected crop (Photo by...)</p> | <ul style="list-style-type: none"> ◆ Practice a three year rotation with non-host plants such as millet and sorghum ◆ Plant crop in areas with a temperature range of 18-30°C, ◆ Avoid planting during wet conditions which favour disease development ◆ Plant tolerant varieties such as, Bombay Red, Red Creole or Red Comet F1 ◆ Plant using certified seeds from reliable stockists ◆ During land preparation remove weeds especially those of the Allium family such as wild onion | <ul style="list-style-type: none"> ◆ Look out for: <ul style="list-style-type: none"> ◆ Small white lesions on the leaves or stalks developing into elliptical (Oval) purplish areas ◆ Wilting of the leaves leading to death ◆ Yellowed and collapsed leaves 3-4 weeks after attack ◆ Yellow to reddish watery rot at the neck of the bulb <p>-Start remedial measures immediately after the first signs appear.</p> | <ul style="list-style-type: none"> ◆ Remove infected plants parts and dispose by burning ◆ Stop irrigating the crop as harvest time approaches ◆ Sort and cure the bulbs to separate infected and the non-infected onions. Store in dry aerated stores | <ul style="list-style-type: none"> ◆ Routinely spray with Mancozeb based products such as Dithane M45 WP, Sancozeb 80wp at the rate of 50g in 20L of water. ◆ FRAC Code M3 | <ul style="list-style-type: none"> ◆ WHO class U (Unlikely to present acute hazard in normal use) ◆ Repeat spray after every 14 days. 3-4 sprays are adequate per season ◆ PHI 7 days |
| | | | | <ul style="list-style-type: none"> ◆ Propineb 70%+Cymoxanil 6% based products such as Milraz WP 76at a rate of 40-50ml in 20L) ◆ FRAC Code M3 | <ul style="list-style-type: none"> ◆ Propineb: WHO class U (Unlikely to cause harm in normal use) ◆ Cymoxanil: WHO class III (Slightly hazardous) ◆ PHI 7 days ◆ Repeat spray after every 14 days.3-4 sprays are adequate per season |
| | | | | <ul style="list-style-type: none"> ◆ When using a pesticide (even a botanical home-brew), always wear protective clothing. Follow the instructions on the product label, such as dosage, timing of application, pre-harvest interval, max number of sprays, restricted re-entry interval. Do not empty into drains. ◆ Always consult recent list of registered pesticides (PCPB) | |

Kenya

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