

The South African Seed Certification Scheme

ANNEXURE 54

REQUIREMENTS RELATING TO FODDER & GARDEN RADISH (*Raphanus sativus* L.)

1 Field requirements

- 1.1 Subject to the provisions of paragraph 1.2, a field may be registered as a unit only if no plants of the Brassicaceae family have been established thereon for seed production or otherwise during the growing season preceding the registration thereof.
- 1.2 A field which is intended for the production of basic seed or certified seed of a particular radish variety, may also be registered as a unit, if -
 - 1.2.1 in the case of basic seed, certified pre-basic seed of the same variety has been produced thereon during the preceding growing season; and
 - 1.2.2 in the case of certified seed, certified pre-basic seed or basic seed of the same variety has been produced thereon during the preceding growing season; and
 - 1.2.3 in the case of 2nd generation certified seed, 1st generation certified seed of the same variety has been produced thereon during the preceding growing season.

2 Planting requirements

Plants may be sown or be established in rows on a unit.

3 Isolation requirements

- 3.1 A unit shall be surrounded by an isolation area which -
 - 3.1.1 in the case of the intended production of certified pre-basic seed or basic seed, is at least 800 metres wide; and
 - 3.1.2 in the case of the intended production of certified seed, is at least 400 metres wide.
- 3.2 Subject to the provisions of paragraph 3.3, such isolation area shall be free from plants of a species of *Raphanus* or any radish variety which flower at the same time as the plants on the unit concerned, unless -
 - 3.2.1 in the case of the intended production of basic seed, they have been established from certified pre-basic seed of the same variety; and
 - 3.2.2 in the case of the intended production of certified seed, they have been established from certified pre-basic seed or basic seed of the same variety.
 - 3.2.3 in the case of the intended production of an open-pollinated variety of 2nd generation certified seed, they have been established from 1st generation certified seed of the same variety.
- 3.3 Plants not complying with the requirements set out in paragraph 3.2.1 and 3.2.2, may occur within the isolation area around a unit if -
 - 3.3.1 those plants occur on a single field which contain no more than 150 of the plants concerned.
 - 3.3.2 in the case of the intended production of certified pre-basic seed or basic seed, not more than 40 of the plants concerned occur within a distance of 100 metres around the unit concerned; and
 - 3.3.3 in the case of the intended production of certified seed, not more than 40 of the plants concerned occur within a distance of 50 metres around the unit concerned.

4 Requirements for plants

The number of deviating plants on a unit shall –

- 4.1 in the case of the intended production of certified pre-basic seed or basic seed, not exceed 0,2 percent; and
- 4.2 in the case of the intended production of certified seed, not exceed 0,5 percent.

5 Inspection requirements

Plants which are established on a unit shall be inspected -

- 5.1 before the flowering stage thereof;
- 5.2 during the flowering stage thereof; and
- 5.3 during the full seed stage thereof.

6 Physical requirements

Seed shall -

- 6.1 have a germination percentage of at least 75;
- 6.2 have at least 98,0 percent pure seed; and
- 6.3 not contain more than -
 - 6.3.1 0,1 percent other seed; and
 - 6.3.2 2,0 percent other material;

- 6.3.3 Notwithstanding the provisions of paragraph 6.3.1, not more than one seed of any of the restricted weed seed species may occur in an ISTA working sample for the determination of other seed by number of the specie being tested; and
- 6.4 Not contain more than 0,2 percent sclerotia of *Sclerotinia sclerotiorum* in a 1000 gram sample.