

# The South African Seed Certification Scheme

## ANNEXURE 36

### REQUIREMENTS RELATING TO BARLEY (*Hordeum vulgare* L. subsp. *vulgare*)

#### 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 any species of *Hordeum* 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 barley 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.
  - 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

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

#### 3 Isolation requirements

- 3.1 The isolation area surrounding a unit shall be at least 5 meters wide.
- 3.2 Such isolation area shall be free from plants of any barley species.

#### 4 Requirements for plants

- 4.1 The number of deviating plants on a unit shall -
  - 4.1.1 in the case of the intended production of certified pre-basic seed or basic seed, not exceed 0,2 percent; and
  - 4.1.2 in the case of the intended production of certified seed, not exceed 0,5 percent.
- 4.2 Methods for determination of deviating plants shall be as determined by the Authority.

#### 5 Inspection requirements

- Plants which are established on a unit shall be inspected -
- 5.1 before the booting stage thereof;
  - 5.2 during the flowering stage thereof; and
  - 5.3 during the ripening thereof.

#### 6 Physical requirements

- Seed shall -
- 6.1 have a germination percentage of at least 80.
  - 6.2 have at least 99,0 percent pure seed; and
  - 6.3 not contain more than -
    - 6.3.1 0,3 percent other seed, of which not more than 0,02 percent weed seed; and
    - 6.3.2 1,0 percent other material.
    - 6.3.3 Notwithstanding the provisions of paragraph 6.3.1, not more than one seed of wild oats may occur in a 400 g seed sample, and 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.