

PIGEONPEA RULES Ref SR 010

25 November 2004

The following Rules are to be applied in conjunction with the "General Rules" for the certification of seed for sowing that contain the general procedures.

OBJECTIVE

To provide for the certification of true-to-type pigeonpea seed (*Cajanus cajan*) free from the seed borne disease halo blight (*Pseudomonas syringae* pv *phaseolicola*).

SEED ORIGIN

Seed used for the production of basic seed is to be breeder's seed (which has been through two generations grown in a glasshouse to ensure freedom from halo blight), or basic seed.

Seed used for the production of certified seed is to be basic seed.

ELIGIBILITY OF AREA

An area will not be eligible for registration for the production of pigeonpea seed crops, if:

any plants infected with halo blight (*Pseudomonas syringae* pv *phaseolicola*) are found to be present;

any of the following plants have been grown in the production area during the preceding two years:

Cajanus cajan (pigeonpea other than basic seed of the same cultivar)

Glycine max (soybean)

Macroptilium atropurpureum (siratro)

Neonotonia wightii (glycine)

Phaseolus lunatus (lima bean)

Pueraria lobata (kudzu)

Peuraria phaseoloides (puero)

Vigna mungo (black gram)

Vigna radiata (mung bean other than mung bean crops grown from basic seed)

Phaseolus vulgaris (french, culinary or navy bean, other than crops grown from basic, certified or approved seed).

ISOLATION

Any registered area is to be separated from any crop or plants or species listed above by not less than 3km (5km for basic seed). If the adjoining crop is a certified area, pigeonpea crops of the same or equivalent status may be separated from each other by a

- bare soil strip not less than 10m wide; or
- a strip not less than 2.5m wide densely planted to a tall growing crop which is to be sown no later than immediately after sowing the pigeonpea crop.

INSPECTIONS

In addition to the requirements in the General Rules, registered areas are to be inspected at: the following times to check for freedom from proscribed diseases: and for trueness to type-

Basic seed areas - two inspections, the first to be within three weeks of first flowering and the second at late pod fill, to verify trueness-to-type and the absence of halo blight. These inspections are to be carried out by walking between every 2 rows.

Certified seed areas - One inspection, at late pod fill to verify trueness-to-type and if diseases are present.

MACHINERY

Every machine, bulk container or seed storage facility used for the sowing, harvesting, cleaning, transporting or storage of seed is to be free from all crop residues, in particular pigeonpea seed and shall be:

- thoroughly sprayed with disinfectant containing CETRIMIDE (15% w/v) and CHLORHEXIDINE GLUCONATE (1.5% w/v), such as SAVLON HOSPITAL CONCENTRATE, at the dilution recommended on the label; to which is added SODIUM NITRITE at the rate of 1 gram per litre of diluted solution; or
- treated with any other material that will effectively control the bacterial diseases.

The above treatments need not be applied if the machinery has not been used for any other plants of the species listed above or the preceding crop was of the same or higher status.

CROP REJECTION

Seed shall be rejected for the purposes of certification if:

- any circumstance renders it impracticable to adequately inspect the crop.
- halo blight occurs within the registered area or within 100 metres of the crop;
- roguing has been undertaken after first flowering and before the first crop inspection.
- In addition to compliance with the rules, the seed may be rejected for the purposes of certification if it exceeds the maximum percentage of off types as listed below:-

basic seed - maximum off-types nil.

certified seed - maximum off-types 0.1 %.

SEED QUALITY STANDARDS

Seed must meet the minimum standards as listed hereunder to be eligible for labelling as certified seed.

Basis seed -

No standards apply if used by producer, other wise certified seed standards apply.

Certified Seed -

Minimum germination	60 %
Minimum Purity	98.8 %
Maximum Other Seed	0.2 %