##### PRT-CGN-PG-201 PROTOCOL wet seed cleaning

This protocol applies to all parties involved in the multiplication of CGN material.

### **Introduction**

The cleaning of multiplied material should meet minimum quality requirements so that genetic identity and integrity is maintained (no unwanted mixing between accessions) and the material is free of weed seeds.

*Any deviation from this protocol should be reported to CGN, after which it will be recorded by CGN in the Multiplication logbook (FOR-CGN-PG-002).*

##### Seed cleaning

Maintaining genetic integrity

* Population size
* All harvested material is cleaned.

Maintaining identity

* Characteristics
* During harvesting, cleaning and, if applicable, fine-cleaning, the accessions should be clearly marked by labels with the field number. The field number given before sowing shall remain the same up to and including cleaning.
* Selection
* No selection is made.
* During cleaning and, if applicable, fine cleaning, the equipment is cleaned after each accession so that there is no mixing of accessions.

Maintaining seed quality:

* Seed treatment after harvest
* Seeds are extracted from the fruit 2-7 days after harvest.
* Seed treatment when cleaning
* The seed is removed from the fruit by scraping, squeezing or stamping it out. Fruits are not cut as this may damage seeds.
* The seed is extracted using water (potato, egg plant, pepper) or acid (cucumber 2% HCl, tomato 1% HCl).
* Pouring off and adding clean water several times (decanting) removes the pulp and empty seeds. Well-developed or ripe seeds sink to the bottom, pulp and empty seeds remain floating.
* Drying
* Seed should be dried quickly so that no mould develops.
* Seed should be dried at a temperature no higher than 25 °C.

**Concluding actions**

* All deviations during cleaning and, if applicable, fine cleaning, are noted and sent with the seed. These notes are transferred to the Multiplication Logbook (FOR-CGN-PG-002).
* The cleaned seed is sent to the CGN as soon as possible after harvest, but within 6 months of harvest at the most, with the seed bags marked with the field number and the CGN number.