



Product information

During the processing and preparing of vegetable seeds, pathogens such as a fungus, a bacterium or a virus can cause a negative effect on storability or germination.

The UV Seed Cleaner by CleanLight, de-activates any pathogens that may be present on the outside of the seed, using narrow spectrum germicidal UVC light instead of fungicides, antibiotics, or antivirals.

The machine is equipped with three UV resistant conveyor belts that transport the seed underneath the lamps in a matter of a few seconds. They also rotate the seeds several times thus ensuring that all sides of the seeds are exposed to the cleansing light.

The treatment involves an extremely low dosage of visible light, and for only a few short seconds. This explains why no negative impact on seed dormancy and/or germination has ever been observed. Built in sensors and fans ensure that the lamps operate at their optimum temperature, thus ensuring maximum efficacy.

Specifications

- Standard belt width 31 inches/80 cm. Larger dimensions on request.
- EU version: 230 Volt/50 Hz and US version: 110 Volt, 60 Hz
- Three-pronged plug. 1250 Watt, including belt motor.
- Used on onions, cannabis, potatoes, turf grass, etc.

Advantages

- Dry technology. No liquids involved.
- Safe for people. Safe for seeds.
- Improves seed-storability and -performance without leaving any toxic residue.

Results

Untreated
PCR classification
5
(“Very heavily contaminated”)

Treated
PCR classification
1
(“Slightly contaminated”)



Wageningen University
Netherlands

“ In our project it was determined that UV irradiation has no negative influence on the product quality and texture of the product.



University of Hohenheim/Stuttgart
Germany

“ A dosage of 4 seconds results in a 1000-fold reduction of Fusarium spores on the exposed surface. This dosage has no negative impact on the appearance or performance of the plant material.

Contact

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