

Importance of Seeds

(By: - JS Lal)

" Subeejam Shushereto Jaayaty Sapadayaty " means the good seed in a good field produces abundantly. Therefore it is very much required that the farmers must use pure, healthy seeds as per the minimum certification standards which have standard germination percentage. Infact the seeds is foundation of farming. Adage is that as per you sow as per you reap. The high good quality seeds are those which have genetic purity, physical purity, health standards, germiniability and moisture percentage in accordance with the minimum seed certification standards. Hence the farmer can increase approximately 20% production while he uses good high quality of seed. The farmer does make arrangements for many inputs but the seed is the chief input among other inputs. If the seed is of bad or low quality/sub standard then the labor and other expenses which the farmer does are in vain.

The Govt. of India Seed Act 1966, seed rules 1968 and seed control act 1983 enacted in India wherein the production program of modified varieties is undertaken by the institutions of the state govt. under the prescribed procedure. In the country national seed corporation ltd. and central seed Farm Corporation at the central level are providing their services by making seeds available to the farmers. Besides the department of Agriculture and Agriculture University at Chhatisgarh state level, Chhatisgarh state Rajya Beej evam Farm vikas nigam, Seed certification agency, Chhatisgarh state corporative marketing federation etc. are available to the farmers. In the country many private companies are doing the work of Breeding, Production and marketing of seeds so as to make the seeds available to the farmers. In chhatisgrah state VNR Seeds Pvt. Ltd. is fully involved and is providing their services to the farmers by making the seeds of various varieties available under the VNR Seeds banner and the economic status of farmers is also improved.

Characters of the Ideal Seed:

1. It should be true to its type.
2. It should be free from ad mixture of other variety of seeds.
3. It should have high percentage of germination.
4. It should be free from seed born diseases.

Class of Seed

1. Nucleus Seed:- It is produced by the Breeder and it is genetically pure seed.
2. Breeder Seed:- It is produced by the breeder from Nucleus Seed. Golden tag is affixed by the breeder.
3. Foundation Seed:- It is produced by the breeder seed under the supervision of the Concerned seed Certification Agency. White color tag certified by the certification agency is affixed.
4. Certified Seed:- It is produced from the foundation seed. Certified seed may be the progeny of certified seed provided this reproduction does not exceed three generation beyond foundation seed stage I. it is determined by the seed certification agency. Certification tag shall be of blue color (Azure Blue) for certified seed class.

The farmer must care the following while buying the seeds.

1. When purchasing the seed. He should obtain a bill/cash memo wherein lot number, seed tag number in variably be mentioned.

2. After purchasing the seed empty bag/packet (pouches) and receipt should be kept safely.
3. Out of purchased seed 100 seeds are taken from each purchased variety and get it tested the germination before sowing in the field. After having known the germination percentage the seed rate can be decided by the farmer accordingly for sowing in the field.

By:- JS Lal, former officer of NSC and Marketing Manager of VNR Seeds Pvt. Ltd.