

Farmers, scientists, and plant breeding - integrating knowledge and practice

CABI - Decentralized



Description: -

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Agricultural extension work

Farmers

Plant breedingFarmers, scientists, and plant breeding - integrating knowledge and practice

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Plant Breeding

Natural selection in the wild. Increasing the number of stakeholders involved can directly link farmers to seed producers and allow extension services to deliver more customized support to farmers while empowering farmers on choosing what to sow in the next season.

Extending Darwin's analogy: Bridging differences in concepts of selection between farmers, biologists, and plant breeders

It is used to describe farmer participation in the process of evaluating finished, stable varieties. Margraf Verlag, Weikersheim, Germany, and CTA, Wageningen, The Netherlands, pp.

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In some species, there is no sufficient molecular knowledge to start MAS, some traits can be easily scored and there is no convenience to develop markers for them, other traits are still too complex to be tackled with molecular markers, for some species— trait combinations the molecular selection is too expensive compared to results. This allows roots to develop to their desired depth and removes standing water from lower portions of the field. Science and selection: Essays on biological evolution and the philosophy of science.

Frontiers

On-farm selection eliminates the need for subsequent on-farm trials, accommodates farmer preferences, and allows capturing the interactions between genetic diversity, environment and management in target fields. Mass selection is the simplest form of plant breeding.

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