



**FACULTY OF AGRICULTURAL SCIENCES
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GPB 321, CROP IMPROVEMENT II (RABI CROPS)**

Outline: Methods of Breeding in Self Pollinated Crops

The main objective of plant breeding is to produce the new varieties, which superior in all aspects than the existing one. The principle methods of breeding self pollinated crops are:

1) Introduction and Acclimatization:

2) Selection:

a) Pure Selection

b) Mass selection

3) Hybridization:

a) Pedigree method

b) Bulk population method.

c) Back cross method

4) Other Method:

a) Multiline varieties

b) Single seed descent method

c) Hybrids

d) Population approach

5) Mutation Breeding:

6) Polyploidy Breeding: