IWWIP- Crossing and Speed Breeding System

Crossing Block Winter Facultative Wheat (200-250 entries annually) divided into:
Irrigated Group (IWWIP, Eastern Europe, W. Europe, Iran, USA)
Semi-Arid Group (IWWIP, USA, Iran, landraces and old varieties)

Crossing Block Spring Wheat (100-120 entries annually)
CIMMYT-Mexico latest germplasm and Turkey varieties.
Evaluated for Yellow Rust resistance in the field at 2 sites (Haymana and Izmir) and at seedling stage in Ankara by Central Field Crop Research Inst. Pathology Group

Types of Crosses:
Winter x Winter; Winter x Spring; Winter x Winter x Winter; Winter x Spring x Winter
At least two parents are required to have resistance to Rust including at least one parent with APR

- Crosses made in Izmir in February & March GH Total 800-900 crosses
- Cross seed and F1-Top planting in Izmir-greenhouse and field

winter wheat is vernalized for 5 weeks +1-3 C

More than 110-150 F2 populations goes to New Greenhouse to planted for speed breeding. Total 22,500 plats.

- Winter wheat: F2-F3-F4 for 13-14 months complete 3 generations:
- F5 goes to field planted in Center Plato (Konya or Eskişehir).