



Issues In Breeding Protocol

Breeding Protocols

Evolving (Breeders have been involved)

Now in usable form

Planting, harvesting, recording

SPVD SCORES/*Alternaria* blight

VIRUS SYMPTOMS

- 1- No virus symptoms
- 2- Unclear virus symptoms
- 3- Clear virus symptoms at one plant per plot (1% per plot)
- 4- Clear virus symptoms at 2 to 3 plants per plot (2-5%/plot)
- 5- Clear virus symptoms at 5-10% of plants per plot
- 6- Clear virus symptoms at 10-25% of plants per plot
- 7- Clear virus symptoms at 25-50% of plants per plot
- 8- Clear virus symptoms at nearly all plants per plot (>50%)
- 9- Clear virus symptoms & clearly reduced growth in all plants

VIRUS SYMPTOMS

- 1- No virus symptoms
- 2- Unclear virus symptoms
- 3- Clear virus symptoms at <5% per plot
- 4- Clear virus symptoms at 6 to 15% of plants per plot
- 5- Clear virus symptoms at 16 to 33% of plants per plot (less than 1/3)
- 6- Clear virus symptoms at 34 to 66% of plants per plot (more than 1/3, less than 2/3)
- 7- Clear virus symptoms at 67 to 99 % of plants per plot (2/3 to almost all)
- 8- Clear virus symptoms at all plants per plot (not stunted)
- 9- Severe virus symptoms in all plants per plot (stunted)

ALTERNARIA SYMPTOMS

- 1- No symptoms
- 2- Unclear symptoms
- 3- Clear symptoms at <5% per plot
- 4- Clear symptoms at 6 to 15% of plants per plot
- 5- Clear symptoms at 16 to 33% of plants per plot (less than 1/3)
- 6- Clear symptoms at 34 to 66% of plants per plot (more than 1/3, less than 2/3)
- 7- Clear symptoms at 67 to 99 % of plants per plot (2/3 to almost all)
- 8- Clear symptoms at all plants (not fully defoliated)
- 9- Severe symptoms at all plants per plot (fully defoliated)

END



**Thank you for
your attention**

