

Initial proportion of healthy seed (1=only healthy seed used, 0=only infected seed used)

External inoculum around farm (50=high level of external inoculum, 0=absence of external inoculum)

Maximum seasonal transmission rate (Maximum rate of disease transmission during the season when there are no limitations for disease to spread)

Weather conduciveness for disease (1=highly disease conducive weather, 0=weather completely restricts disease spread)

Host susceptibility (1='completely' susceptible, 0=immune)

Vector/weed management conducted (1= no management of vectors/weeds, 0=vector/weed eradication)

Roguing conducted during season (1=no symptomatic plants removed, 0=all symptomatic plants removed)

Seed production rate in healthy plants (Number of seed produced per healthy plant)

Plant (seed) selection (1=random selection, 0=complete selection against diseased plants)

Differential seed production (1=no difference in seed production between healthy and infected plants, 0=no seed production in diseased plants)

Reversion in infected plants expressed as the proportion of disease-free seed produced by diseased plants (1=only healthy seed produced by an infected plant, 0=only infected seed produced by an infected plant)

Certified seed usage (1= only certified seed used, 0=no certified seed used)

Rate of yield decline (0=constant rate of yield decline (straight line); for 0 to 0.5,yield declines slowly as disease incidence increases (concave); for -1 to 0, yield declines rapidly as disease incidence increases (convex))