

# Goals

- Determine components of yield decline.
- Determine causes of yield decline.
- Assign remedies based of causes.

# Procedure

- 6 farms
- Age range of planting: 15-40+
- At each farm 3 replications of each treatment combination:
- Disease data
- Yield estimated
- Berry size, brix
- Berry disease
- Foliar nutrients

Soil Fungicide	Foliar Fungicide	Foliar Micronutrients
Yes	Yes	Yes
Yes	Yes	No
Yes	No	Yes
Yes	No	No
No	Yes	Yes
No	Yes	No
No	No	Yes
No	No	No

# Results

- No treatment was consistently effective across all farms.
- Within each farm one treatment or another was effective.
- Foliar fungicides were effective where foliar diseases were found.
- On some farms foliar fungicides were effective in reducing fruit diseases.
- Foliar micronutrients increased foliar nutrients to acceptable levels in most farms.

# Conclusions

- Yield decline is unlikely to be due to any single cause
- Most farms need improved micronutrient levels, which can be achieved by annual application of micronutrients.