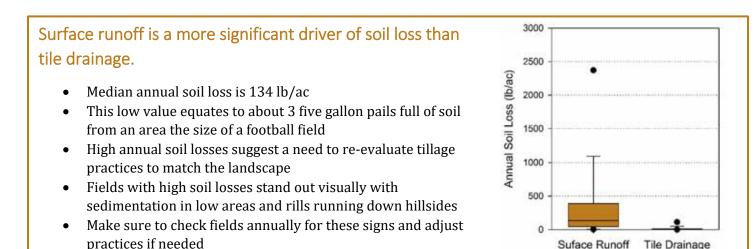
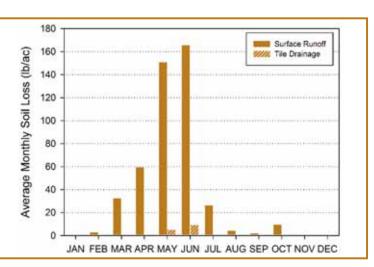
## **Understanding Soil Loss**



Discovery Farms Programs in Minnesota and Wisconsin have collected edge-of-field water quality information from 25+ farms and 50+ fields starting in 2002. A total of 98 site years of surface runoff data collected and 27 site years of tile drainage collected.



- Most soil loss occurs in May and June.
  - 69% of the soil loss occurs in May and June
  - Fields are most vulnerable to soil loss from planting to crop canopy
  - Too little soil cover and too much soil disturbance for the landscape are indicated by large soil losses in May and June.



## A small number of events cause the most soil loss.

- There have been 1074 surface runoff events monitored by Discovery Farms
- 10% of the runoff events caused 85% of the total soil loss
- Nearly all of those runoff events were generated by very intense storm events
- The combination of intense storms and time periods where the landscape is most vulnerable, produces the most soil loss

