

Managing Fusarium Head Blight in Southern Alberta

Keith Mills

Agronomist Agricore United

Southern Alberta



The effect of Irrigation

1. Cereals grown under irrigation face a higher risk of FHB infection than those on dryland.
2. Sprinkler is higher risk than Gravity (flood)

(Ag Canada)

Summary of Irrigation strategy to Minimize FHB

- Irrigate to meet crop water needs without inducing drought stress (requires knowledge of crop-water and soil-water relationships)
- Fill up the root zone just before flowering
 1. To avoid irrigation during flowering
 2. To ensure moisture is available to the crop.
- Resume irrigation after flowering and before water stress takes over

(Alan Efata)



Irrigation Management

- Build up moisture levels, before flowering.
- Seed Shallow, consistent depth.
- Higher Seeding Rate.
- Need consistent heading time.

