

SEED
INDUSTRY
EVENT
Linking Seed & Supply Chain

Storage workshop

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1

Risk analysis

Risk analysis

- Is the crop suitable to store?
 - Crop condition – skin set
 - Disease loading
 - Moisture levels/soil/stone
 - Expected storage duration
- Are there specific provisions needed?
 - Drying wall/positive ventilation
 - Logistics
- Financial implications of storage
 - Are costs known/understood?

2

Disease management

Disease management

- Threats

 - Bacterial eg blackleg, soft rot

 - Fungal, eg dry rot, gangrene, WWR, blight, pink rot, skinspot, silver scurf etc

- Is there specific management control needed?

 - Disease triangle

 - Ventilation

 - Temperature: pull down/holding

- Impact

 - Are risks known/understood?

3

Airflow optimisation

Airflow optimisation

- Store type
- Positive ventilation vs passive ventilation
- How do we make stores work better?
 - Basics first!
 - Air to the target...
 - ‘Overhead throw’ challenge
 - ‘Air divider’ curtains
 - Current work
- If air is delivered make it do a job of work to justify the cost
- Don’t over-ventilate
- Use inverters to help



4

Storage efficiency

Storage efficiency

- Refrigeration
 - Understand heat transfer & influences on processes
 - Impact of airflow
- Energy use
 - Electricity supply/availability
 - Inverter drives
 - Control systems
 - Tarriff management
 - Local generation
- Financial implications of storage
 - Are running costs known/understood?
 - Benchmarking

See the bigger storage picture

1

2

3

4





Storage Advice Line

0800 0282 111

Storage Bulletin

potatoes.ahdb.org.uk

Storage Showcase

**Sutton Bridge
Crop Storage Research**

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