

# Sil-All Hay+

Protect your investment



PROTECT YOUR INVESTMENT

# Challenges in making Hay

Weather

Weather

Weather



# Issues

- Variable moisture at ensiling

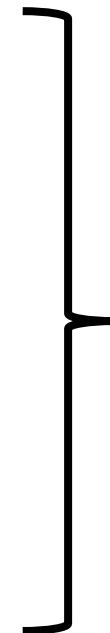
- DM loss >10%



- Protein Loss



- Colour loss



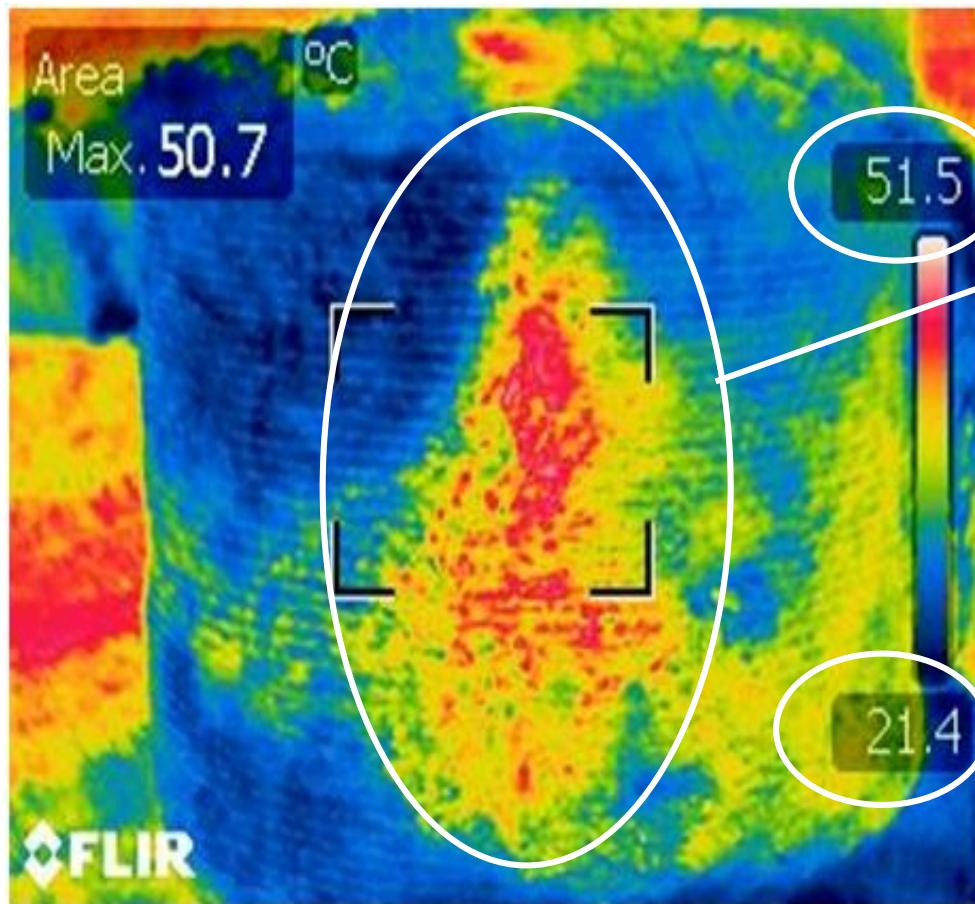
**Yeast & Mould**



# Picture of losses

High quality hay

Or is it ?



Localised heating:

- high DM loss
- high protein loss
- high ME loss
- high feed loss

# Consequences

- Yeast and Mould
  - Grow in the windrow
  - Can lead to heat damage
    - lead to DM loss
    - lead to protein loss
    - lead to reduced intake
    - lead to reduced feed conversion efficiency
    - may lead to toxin production



# New Product

- Specifically developed for Grass, Lucerne & Small Grain Hay (Oats, Barley, Wheat etc)
- Triple activity
- Proven across Europe, N America and Oceania



# Efficacy

- Sodium Propionate effective against:
  - Yeast
  - Mould
  - Bacteria
- Sodium benzoate effective against:
  - Yeast
  - Mould
  - Bacteria
- Potassium sorbate effective against:
  - Yeast
  - Mould



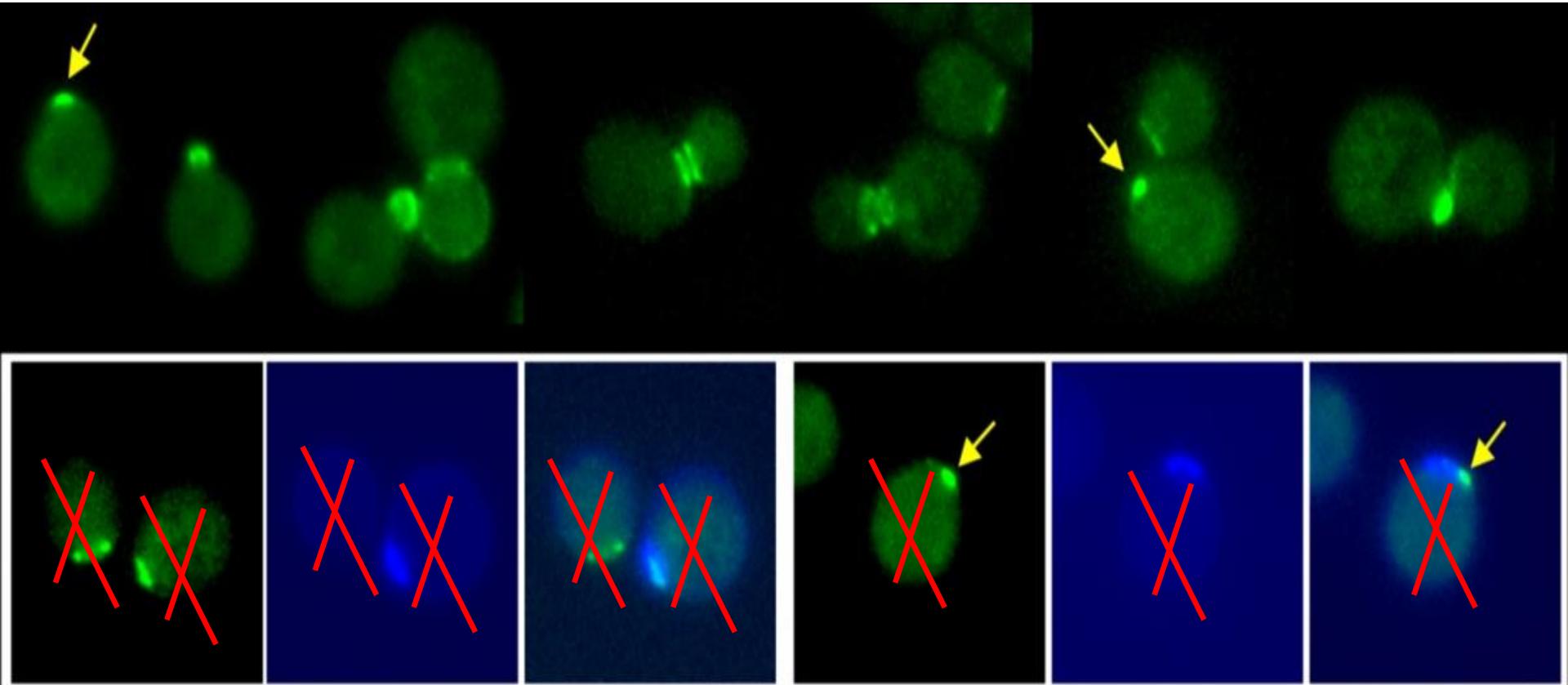
# Protection

- Effect is against yeast and mould
- Equally effective on all hay types
- Effectiveness defined by chemical balance and natural equilibration



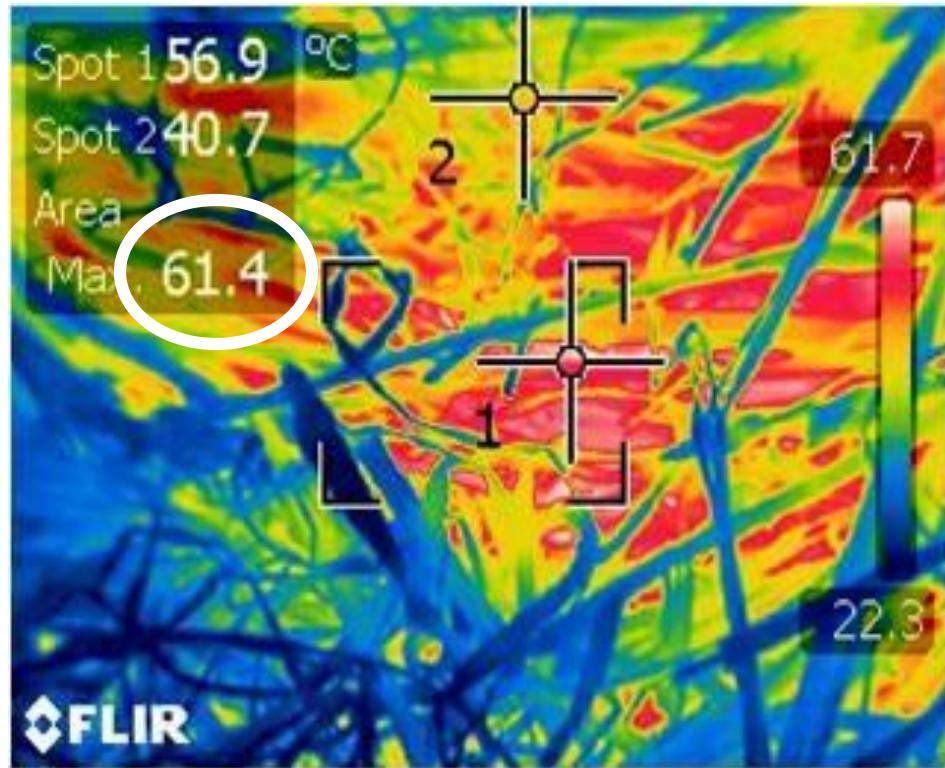
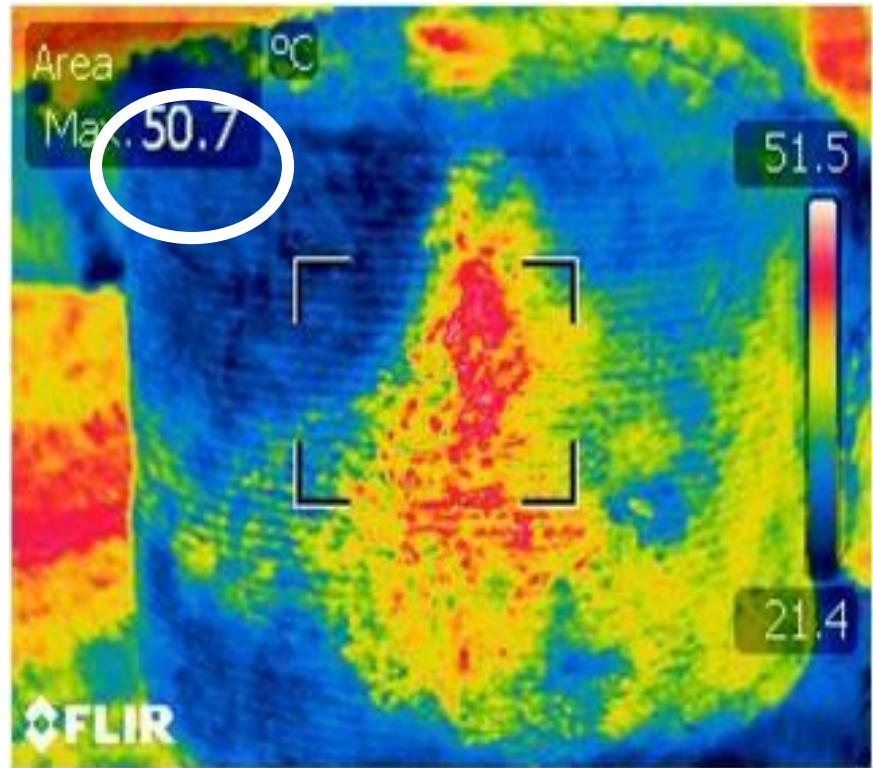
**SIL-ALL**

# Preservative effect



Sil-All Hay Kills Yeast and Mould

# Action of yeast



# Proof

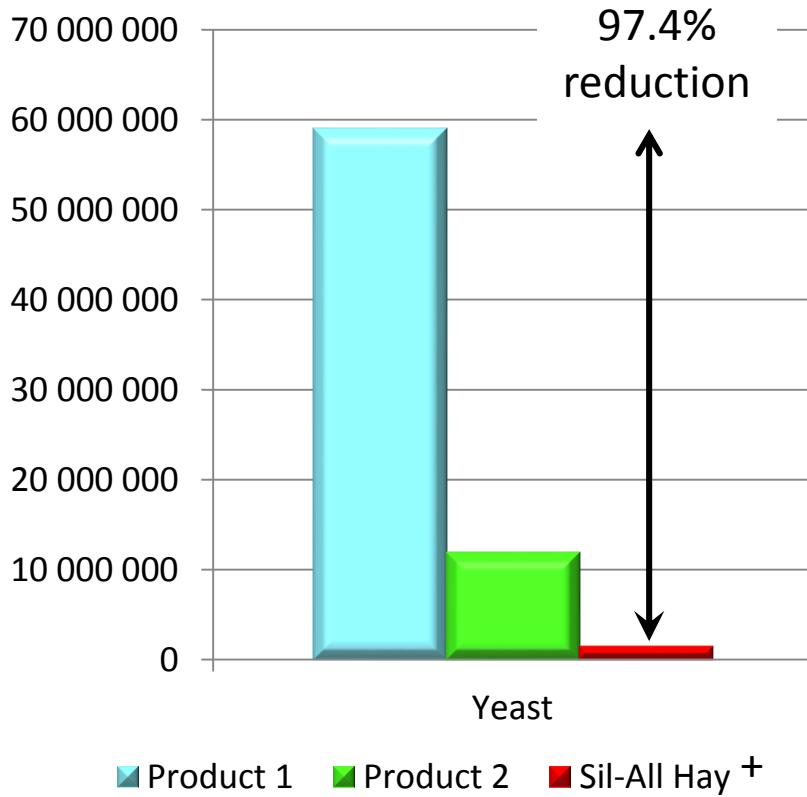
	April 2013		July 2013	
	Sil-All Hay+	Competitor	Sil-All Hay+	Competitor
Moisture	21.5	21.3	17.9	18.9
Protein	26.5	24.2	28.9	27.0
Energy				
• Gain	2.3	2.4	2.3	2.2
• Lactation	5.7	6.0	5.8	5.7
• Maintenance	4.9	5.0	5.0	4.8
Relative Feed Value	120.4	118.1	133.1	123.9

Field Trial, Melbourne Australia

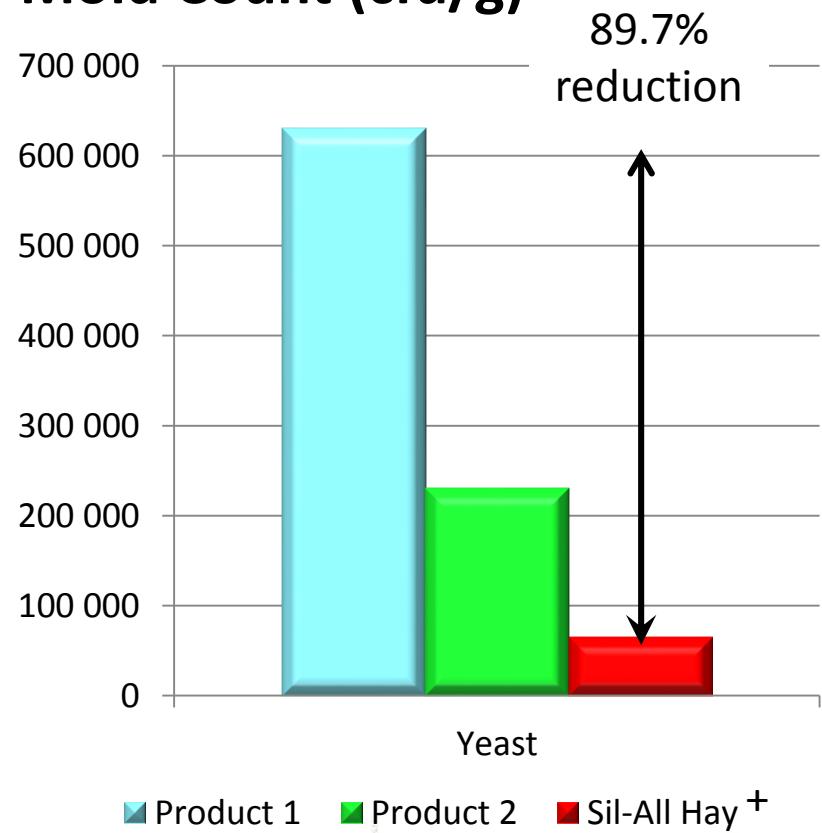


# Mycotic Counts (Day 3)

**Yeast Count (cfu/g)**



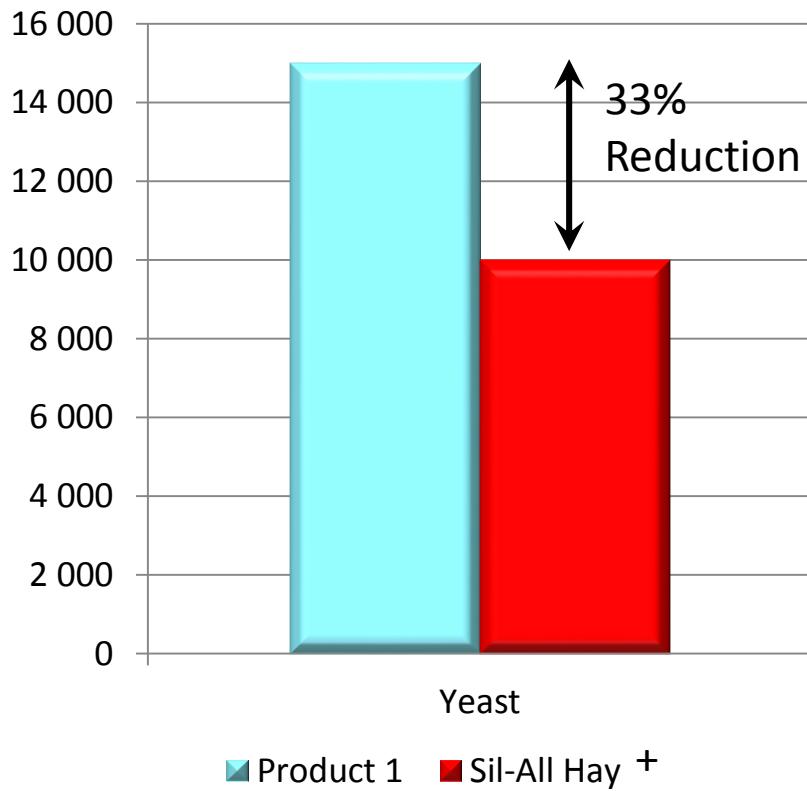
**Mold Count (cfu/g)**



Field Trial, Melbourne Australia

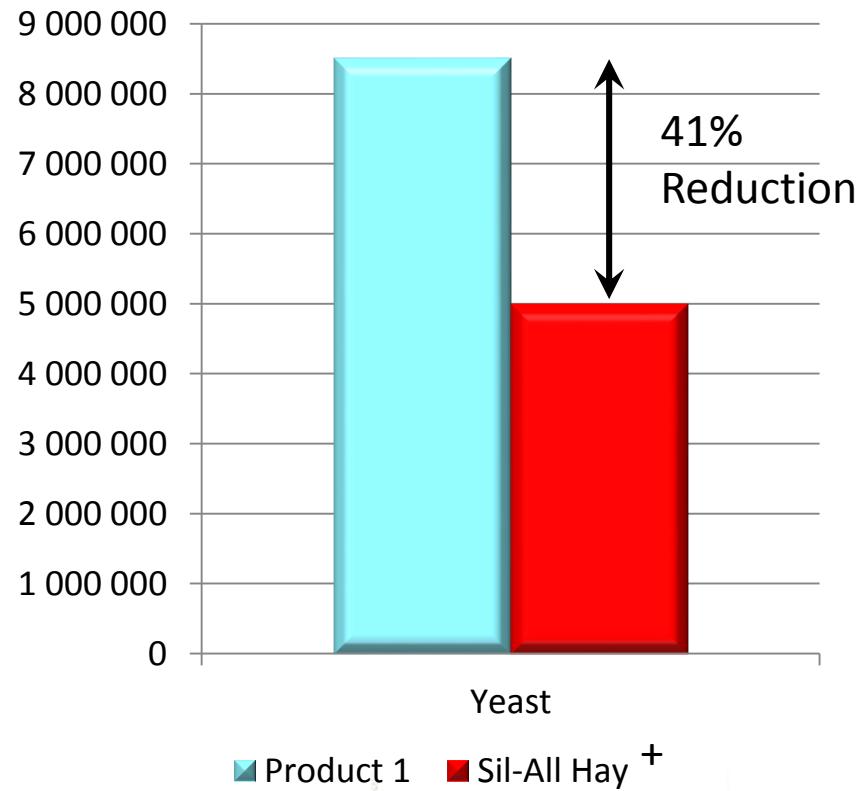
# Mycotic Counts (Month 3)

**Yeast Count (cfu/g)**

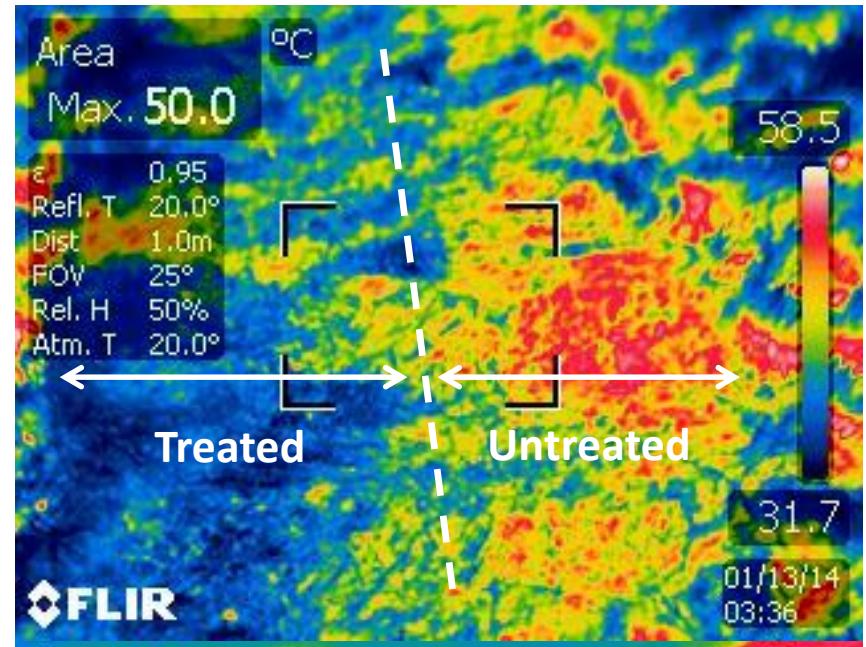
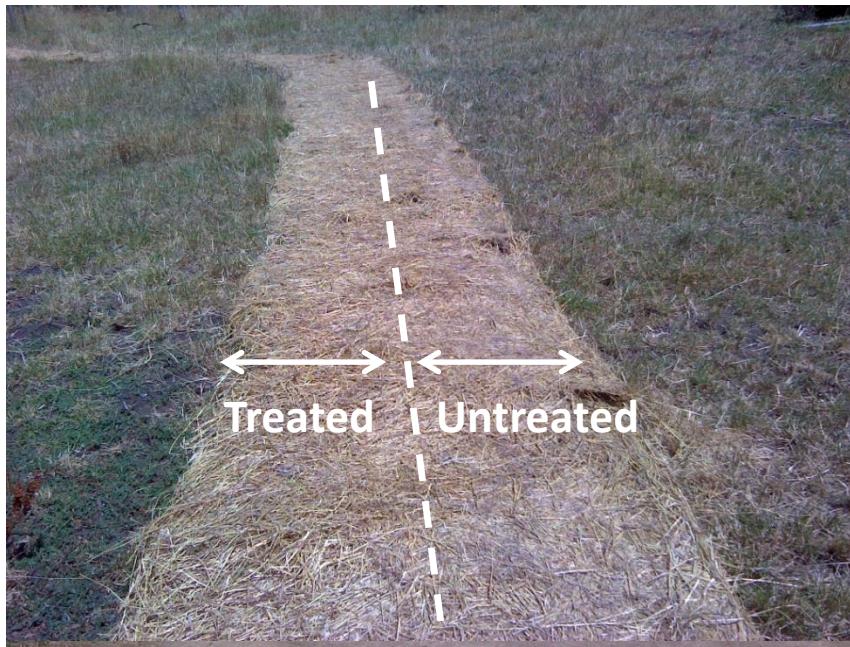


Field Trial, Melbourne Australia

**Mold Count (cfu/g)**



# Treatment effect



Field Trial, Melbourne Australia

**SIL-ALL**

# Benefits

- Sil-All Hay+ protects
  - Dry Matter Loss
  - Protein Loss
  - Energy Loss
  - Equipment (non corrosive formula & no odour)
  - The effects of YEAST AND MOULD



# Product

- 1 bag treats 40T
- Apply at 250g/t
- Dissolve 1bag in 30l and top up to 40l
- Stable for 4 weeks once hydrated

