



**LENSEAI**

— R E P O R T S —

 [info@farmevo.ai](mailto:info@farmevo.ai)

 411 5th Avenue, 6th Floor New  
York, NY, 10016

# Crop Health Report

Field: Bair Ranch

Boundary: 64.80 Acres

Crop: Potato

Plantation Date: 01-Jun-2024

Flight Scan: 12-July-2024

Total Crop Area: 27.6 Acres

9.74 %

27.09 %

36.81%

26.26 %

Total Affected Area

16.1 Acres = 26.26 % Field ↓

Crop Health in Acres

5.9

Acres

Excellent

16.6

Acres

Good

22.6

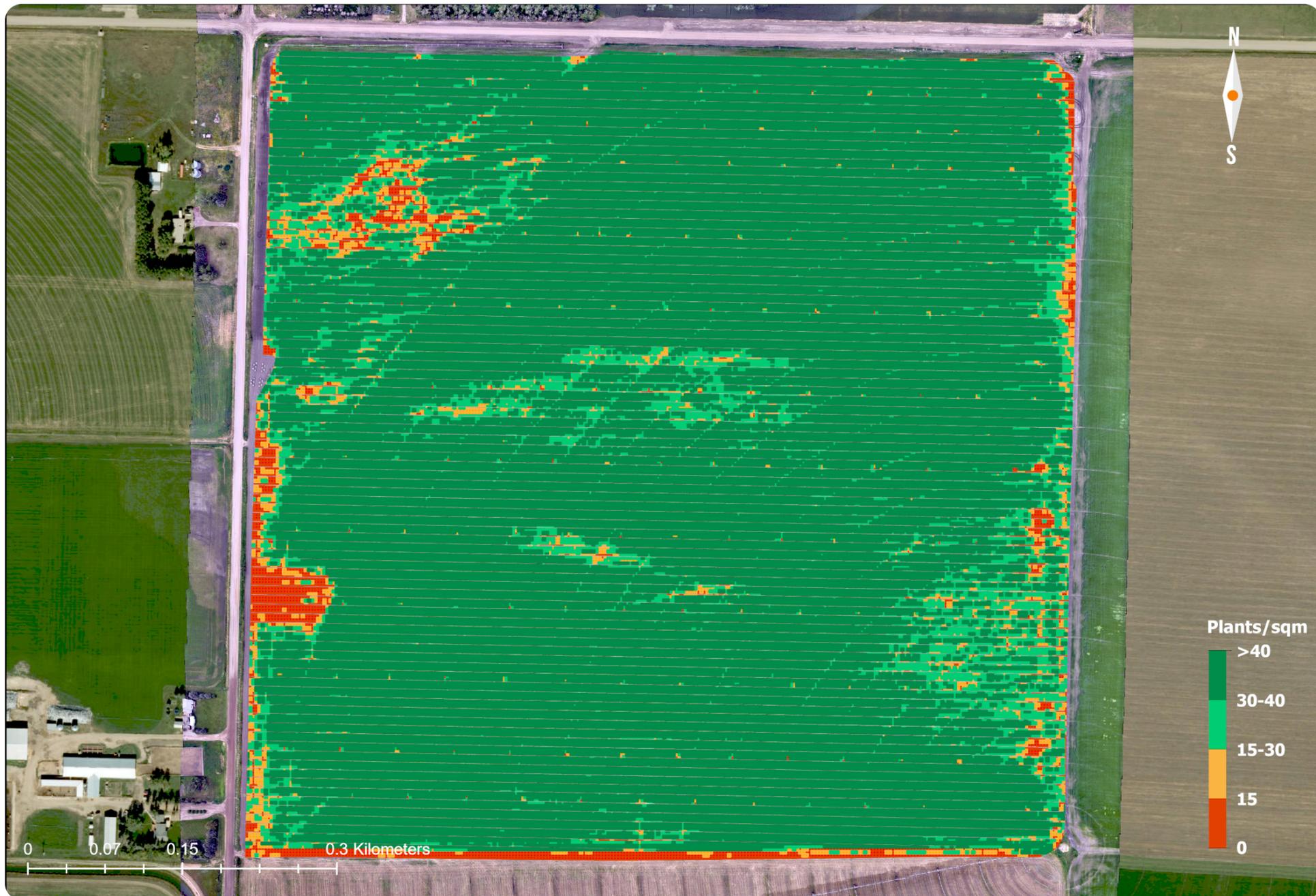
Acres

Average

16.1

Acres

Poor



1.34 %

(1.50 ha)

11.09 %

(12.49 ha)

84.75%

(95.38 ha)

2.82%

(3.17 ha)

# Plant Stand Count

Field: Bair Ranch

Boundary: 64.80 Acres

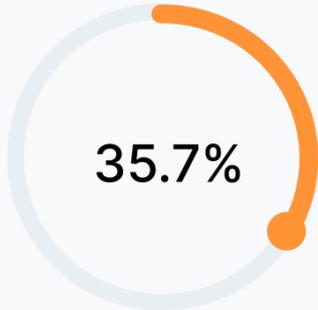
Crop: Potato

Plantation Date: 01-Jun-2024

Flight Scan: 12-July-2024

Total Crop Area: 27.6 Acres

Emergence Rate



Target population    Emerged population

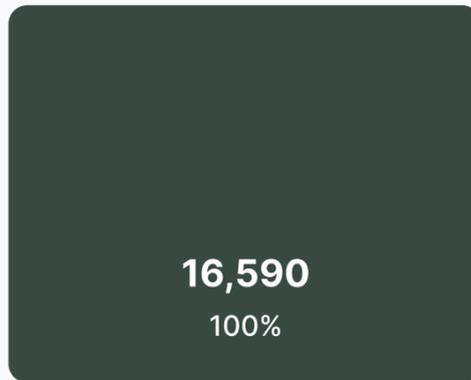
Acre-Wise Analysis

Estimated Average Yield Loss

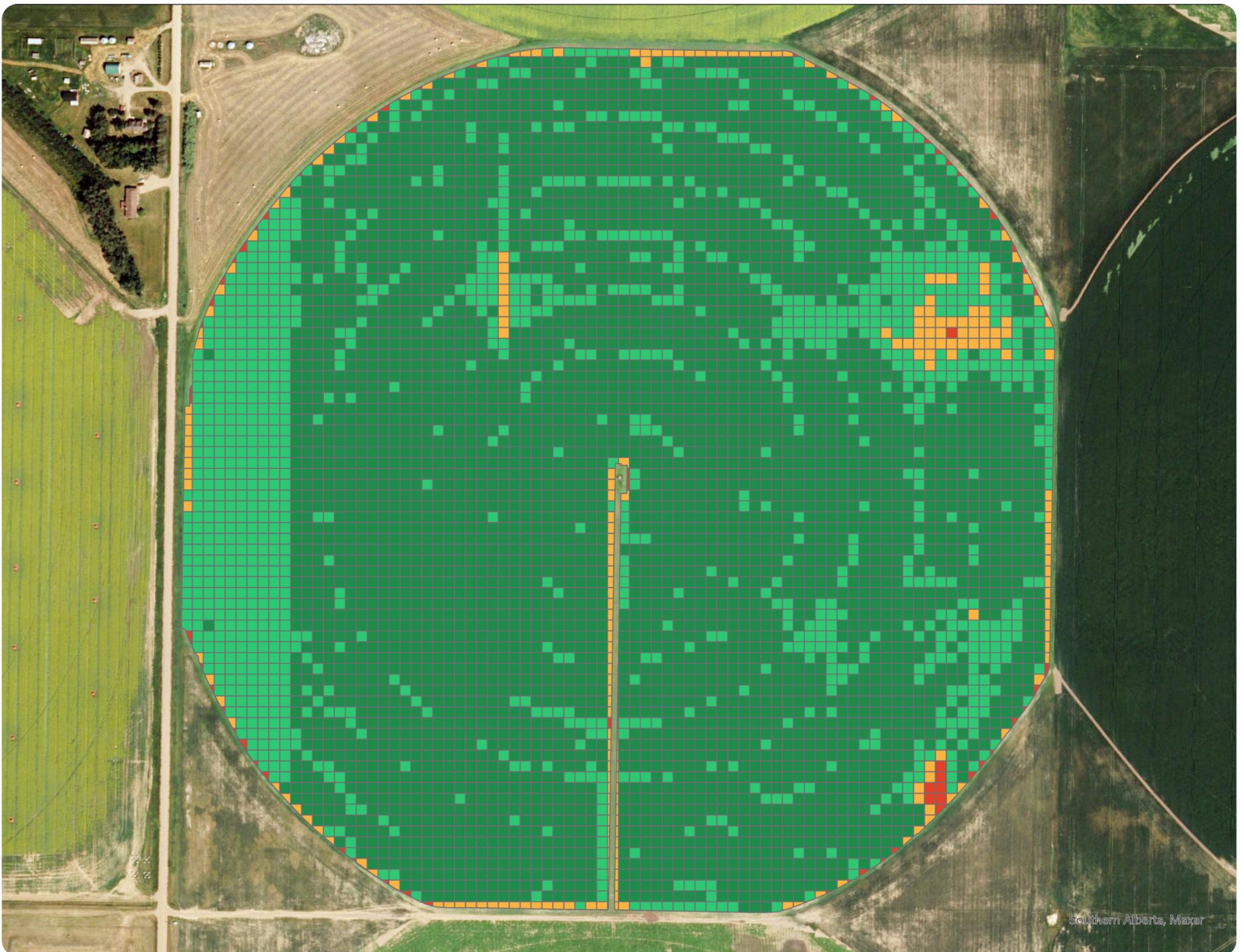
10,661 Plants = 64.3% ↓

Plant gap: 10.75 inch | Row gap: 36 inch

Plant Stand Count



Target population    Emerged population



# Water Logging Report

Field: **Bair Ranch**

Boundary: **64.80 Acres**

Plantation Date: **01-Jun-2024**

Crop: **Potato**

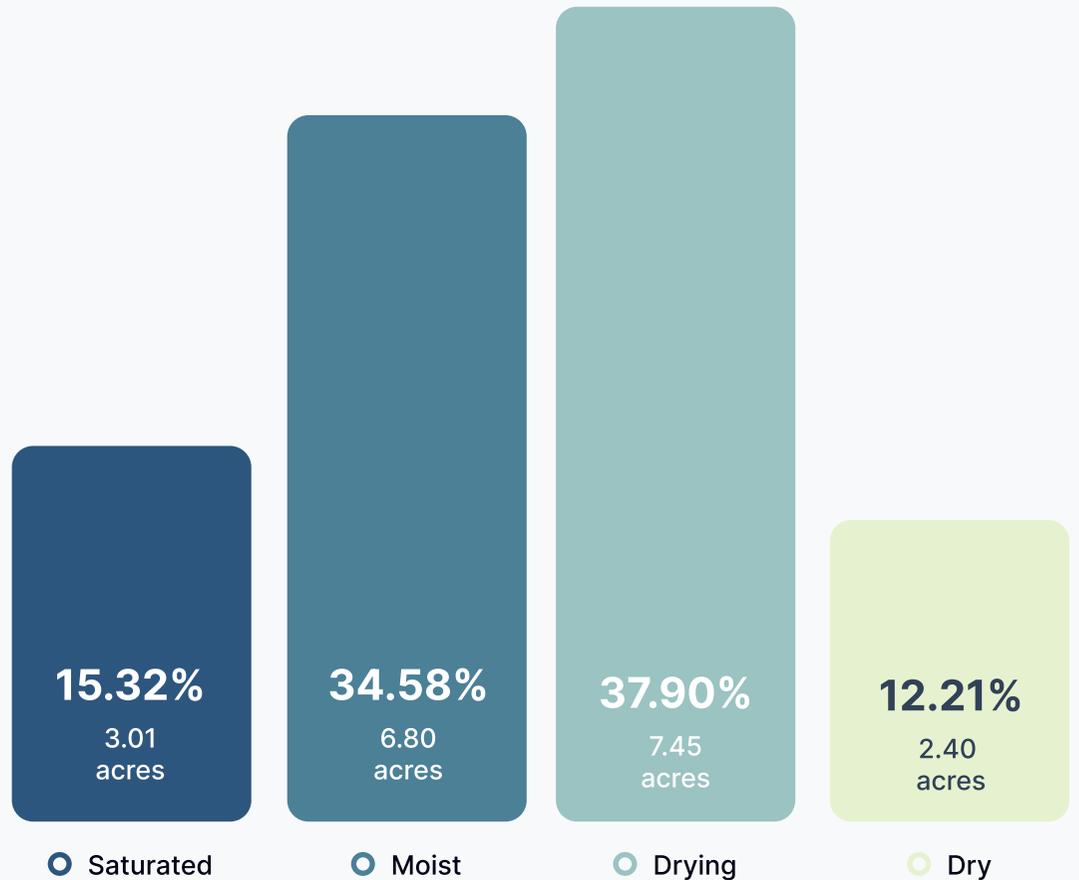
Flight Scan: **12-July-2024**

Total Seeded Area: **131.957 Acres**



Overall Top Soil Moisture  
**Good**

## Distribution of Irrigation Status



# Yield Estimation Report

Company

SAMPLE  
LOGO

Field: 1234-56

Boundary: 125 Acres

Crop: Canola

Seeded Area: 122 Acres

Plantation Date: 01-Jun-2024

Flight Scan: 12-July-2024

Total Female Crop Area: 98.292 Acres

Total Yield

Target

16,640

million seeds

Actual

12,820

million seeds



Acre-wise Analysis

Seeds per acre



Target

200

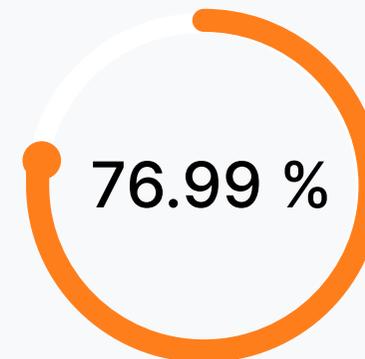
million seeds/acre

Actual

154

million seeds/acre

Yield Estimation



Emerged area: 83.250 Acres

# Yield Estimation Report

Field: **Bair Ranch**

Boundary: **64.80 Acres**

Crop: **Potato**

Plantation Date: **01-Jun-2024**

Flight Scan: **12-July-2024**

Total Crop Area: **131.957 Acres**

Total Average Yield (tons)

Target  
**4,140**

Estimated  
**3,904**



Acre-Wise Analysis

Total Average Yield (kg/acre)

Target  
**31,376**

Estimated  
**29,588**

Crop Yield

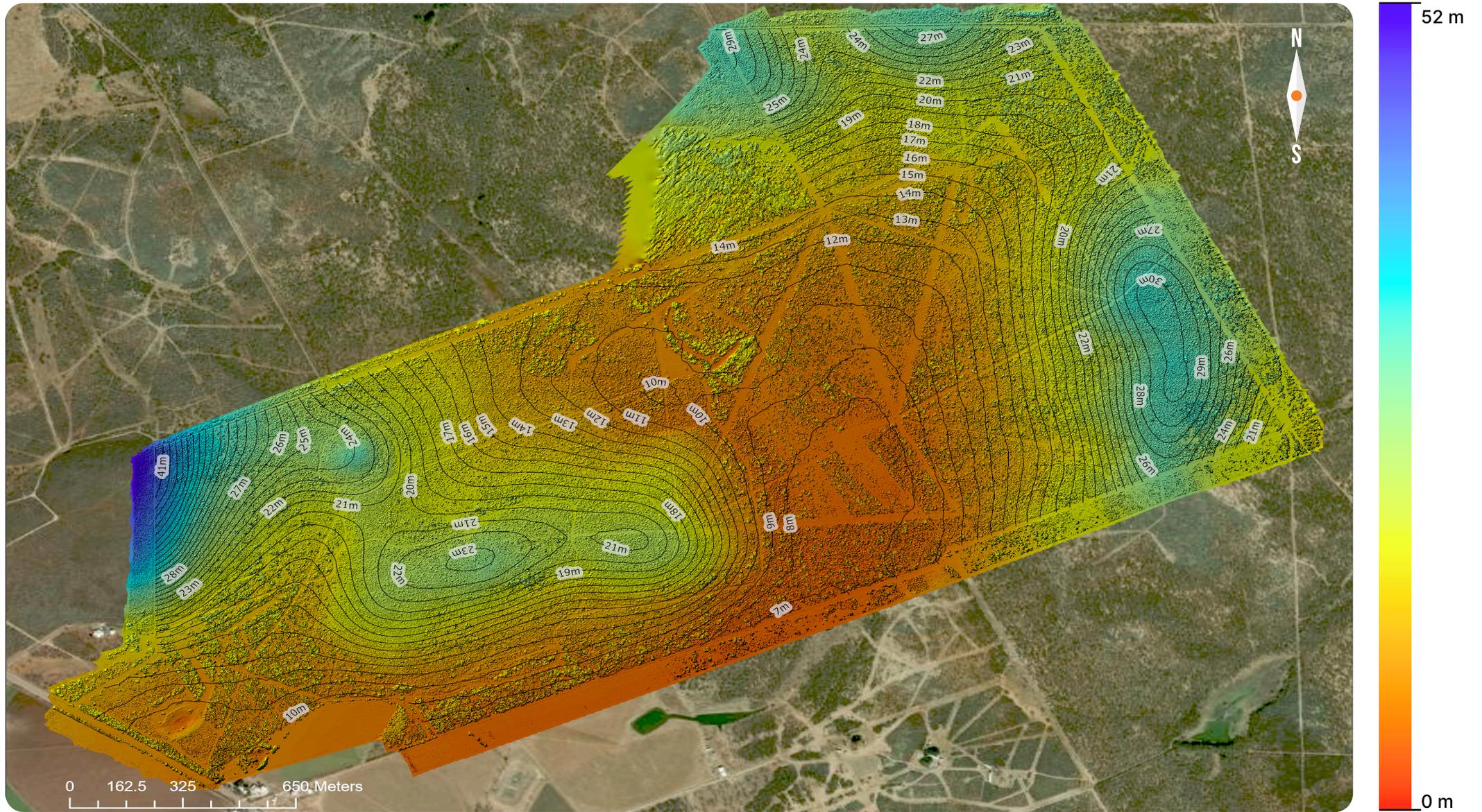


Field: **Bair Ranch**

Boundary: **64.80 Acres**

Crop: **Canola**

Flight Scan: **12-July-2024**



# Water Logging Report

Field: **Bair Ranch**

Boundary: **64.80 Acres**

Crop: **Potato**

Flight Scan: **12-July-2024**

Total Crop Area: **131.957 Acres**



Overall Crop Condition

**Moderate**

Total Affected Area

**4.22 Acres = 18.26%** 

Water Logging Status

**18.88 Acres**

81.73%

 No Waterlogged Area

**4.22 Acres**

18.26%

 Waterlogged Area

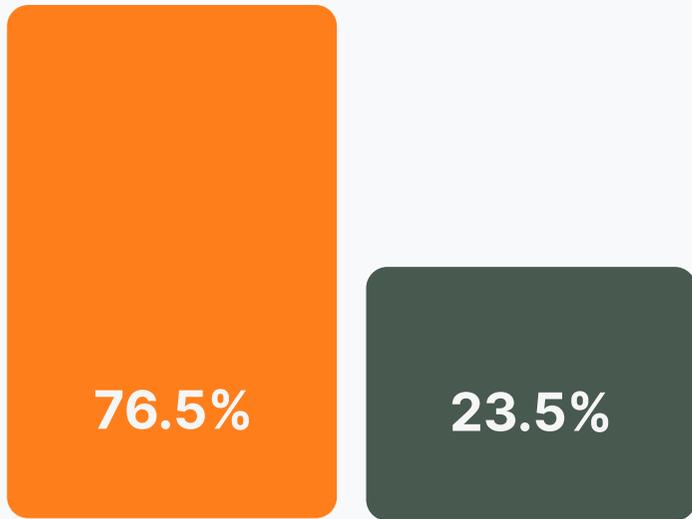
# Parent Distribution Ratio

Field: **Bair Ranch**    Boundary: **64.80 Acres**    Crop: **Potato**    Seeded Area: **64.80 Acres**    Plantation Date: **01-Jun-2024**    Flight Scan: **12-July-2024**

Total Crop Area: **61.455 Acres**



### Targeted Plant Distribution



Female

Male

### Number of Female Plants / Male Plant

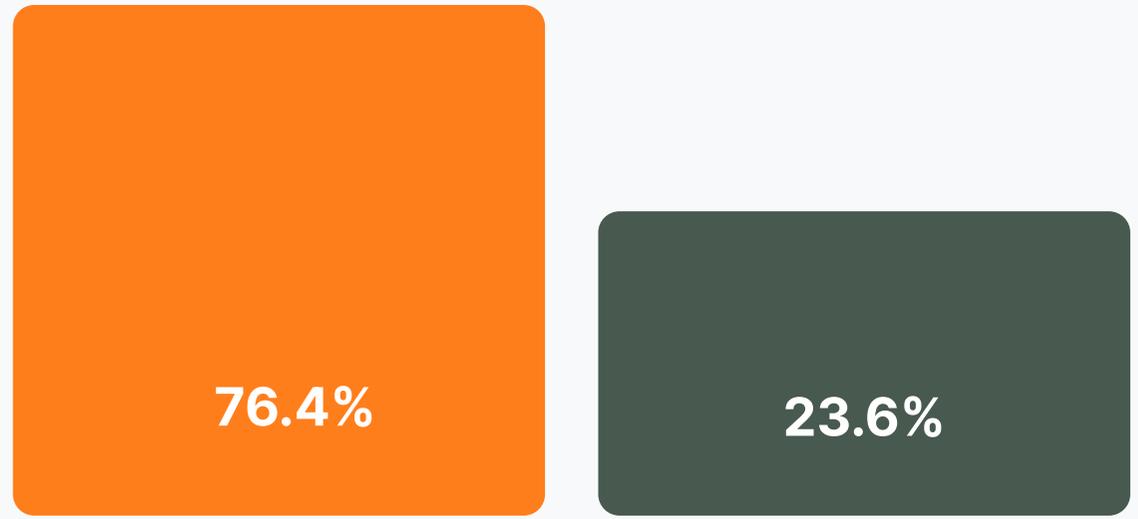
Targeted

3.25

Detected

3.23

### Detected Distribution



Female

Male

# Early Yield Estimation Report

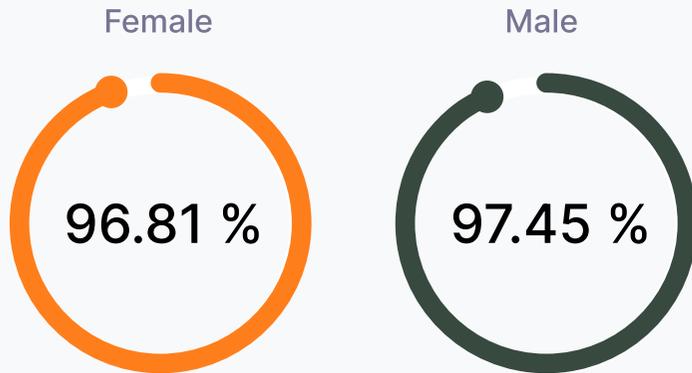
Field: 1341-07    Boundary: 64.80 Acres    Crop: Canola    Seeded Area: 60.820 Acres    Plantation Date: 28-May-2024    Flight Scan: 12-July-2024

Total Female Crop Area: 47.006 Acres

## Total Average Yield

Target	Actual
120,167	116,331

## Emergence Rate

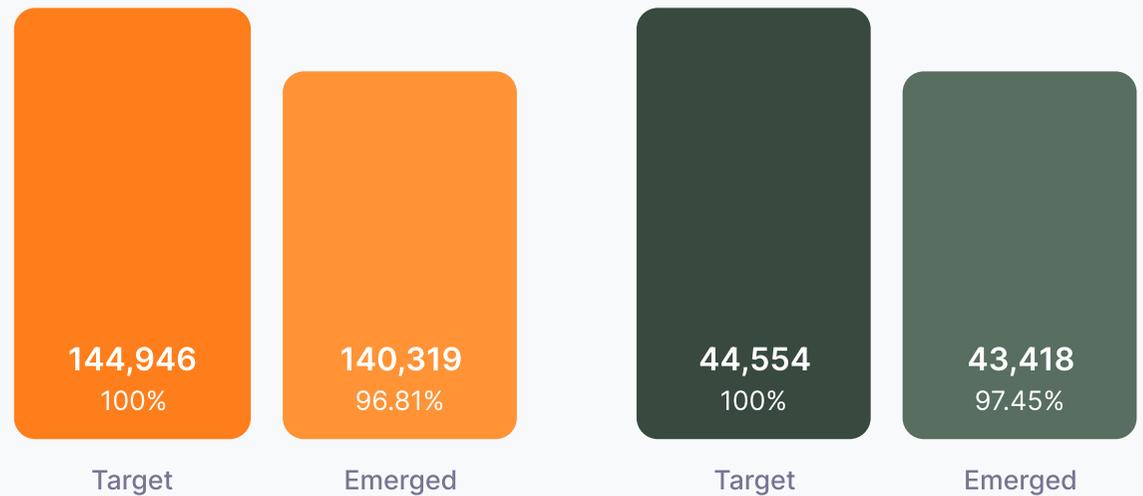


## Acre-wise Analysis

## Estimated Average Yield ↓

Target	Actual
2,556	2,475

## Plant Stand Count



Female Population

Male Population

# Yield Estimation Report

Field: **Eldarado**

Boundary: **151.2 Acres**

Crop: **Timothy**

Plantation Date:

Flight Scan: **18-Jun-2022**

## Total Crop Area: 151.2 Acres

Total Average Yield (kg)

Target

**977,449**

Estimated

**888,183**



## Acre-Wise Analysis

Total Average Yield (kg/acre)

Target

**6,422**

Estimated

**5,835**

Crop Yield



# Yield Estimation Report

Company

SAMPLE  
LOGO

Field: 1234-56

Boundary: 125 Acres

Crop: Canola

Seeded Area: 122 Acres

Plantation Date: 01-Jun-2024

Flight Scan: 12-July-2024

Total Female Crop Area: 98.292 Acres

## Total Yield

Target  
**16,640**  
million seeds

Actual  
**12,820**  
million seeds

## Yield Estimation



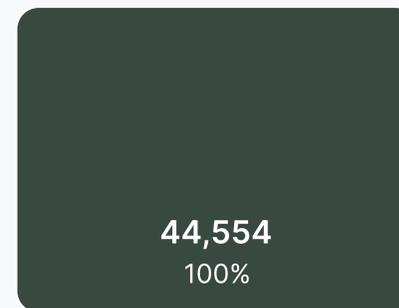
## Acre-wise Analysis

### Seeds per acre

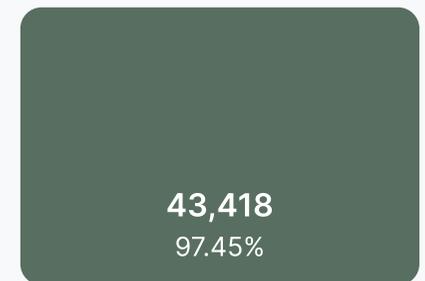
Target  
**200**  
million seeds/acre

Actual  
**154**  
million seeds/acre

### Kgs per acre



Target



Actual

TSW: 5.0 g