

# LOCKHART ~ CANOLA ~ 22 Sept

VARIETY Mid SOWING DATE 16/4/2014

N APPLIED 31 kg/ha

SOIL TYPE Sodosol (Lockhart 2 No540-YP)

PLANT DENSITY 30 plants/m<sup>2</sup>

GROWING SEASON RAINFALL 132.8mm

CURRENT ROOTING DEPTH 1200mm

PREDICTED FINAL ROOTING DEPTH 1800mm

CURRENT CROP PAW 20mm

SOIL PAW 41mm

PAWC 213mm

DAILY WATER USE 0.6 mm

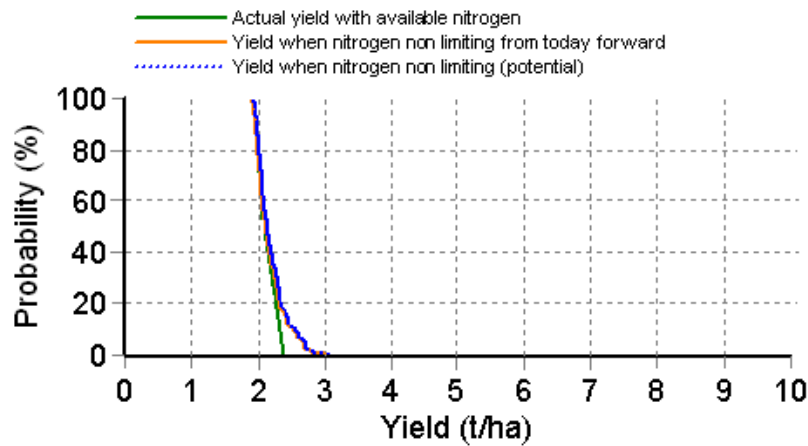
INITIAL N 160 kg/ha

TOTAL N 10 kg/ha

N AVAILABLE TO ROOTS 9.7 kg/ha

CURRENTLY USING 0.0 kg of N/ha/day

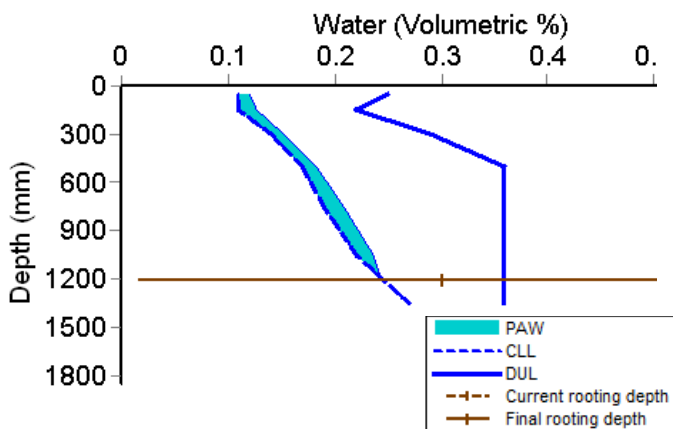
## Grain Yield Probabilities \*



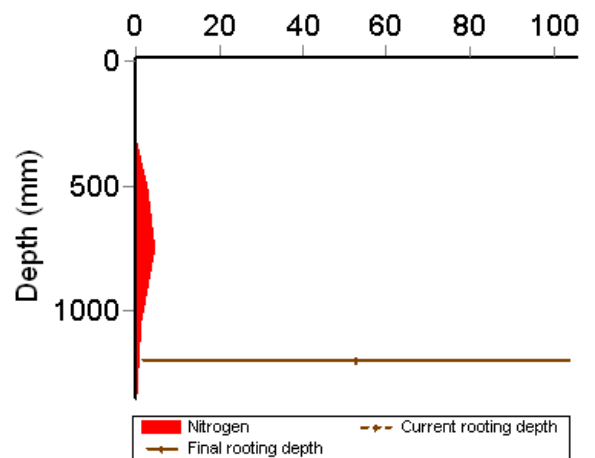
\* given weather, soil N and agronomic inputs to date, and historical climate data (100 years) to simulate remainder of season. Does not account for disease, insect or weed pressure or extreme climatic events.

\*\* PAW = plant available water; CLL = crop lower limit; DUL = drained upper limit. Note: Soil water parameters are taken from paddocks previously characterised on the same farm. Although the data should be representative of the paddock, minor discrepancies occur.

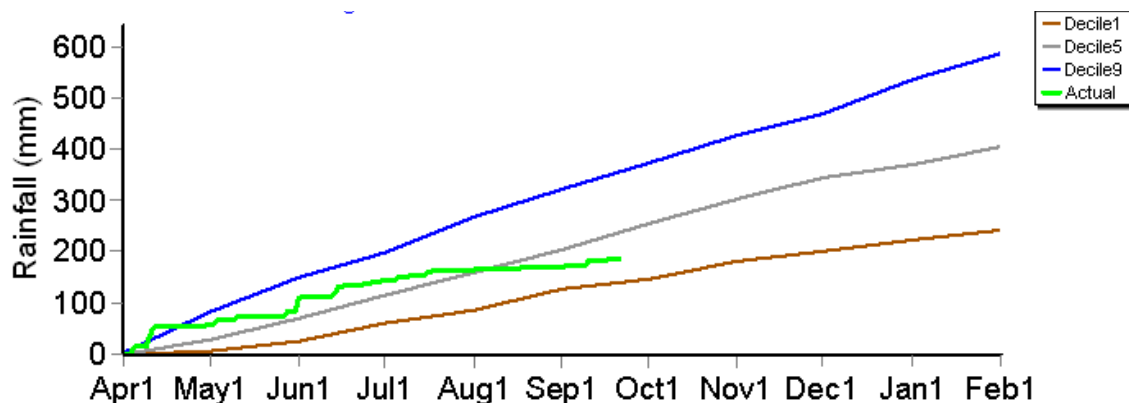
## Water Availability \*\*



## Soil Nitrogen



## Growing Season Rainfall

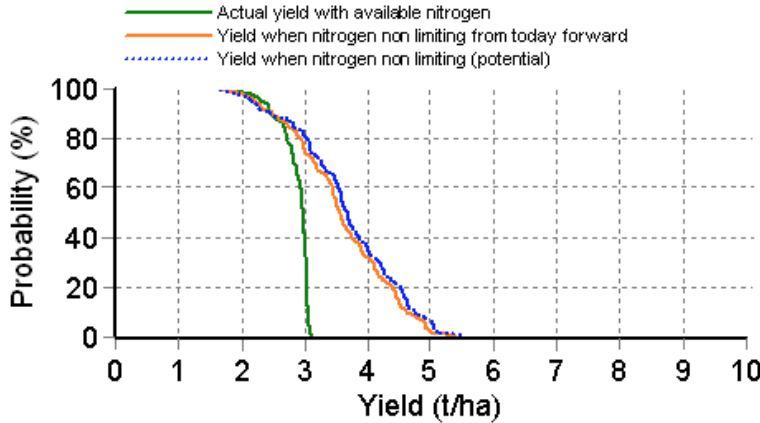


# BARMEDMAN ~ CANOLA ~ 22 Sept

**VARIETY** Mid **SOWING DATE** 20/4/2014  
**N APPLIED** 67kg/ha  
**SOIL TYPE** Sandy clay over light to medium clay (West Wyalong No693) **SOWING DENSITY** 30 plants/m<sup>2</sup>  
**GROWING SEASON RAINFALL** 178.3 mm  
**CURRENT ROOTING DEPTH** 860mm  
**PREDICTED FINAL ROOTING DEPTH** 860mm

**CURRENT CROP PAW** 11mm  
**SOIL PAW** 11mm  
**PAWC** 199mm  
**DAILY WATER USE** 0.5mm  
**INITIAL N** 98kg/ha **TOTAL N** 3kg/ha  
**N AVAILABLE TO ROOTS** 2.3 kg/ha  
**CURRENTLY USING** 0.0 kg of N/ha/day

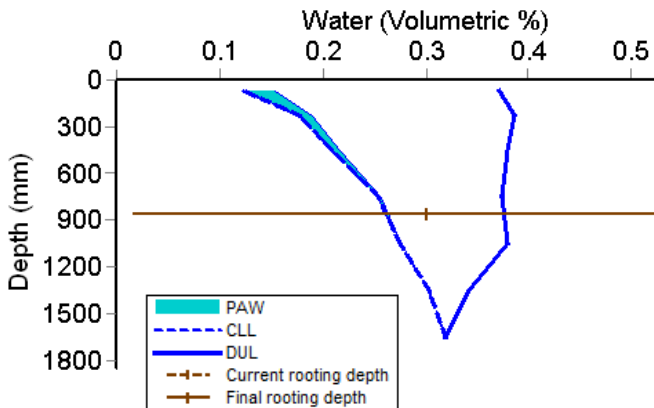
## Grain Yield Probabilities \*



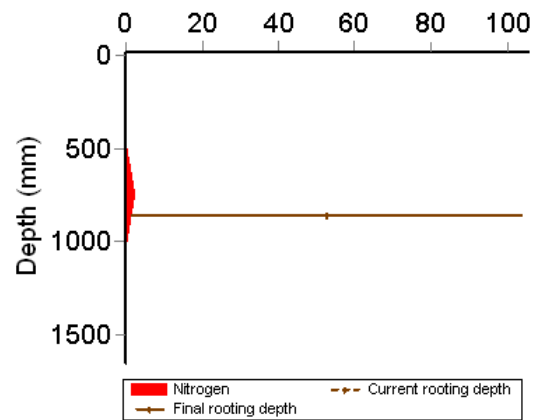
\* given weather, soil N and agronomic inputs to date, and historical climate data (100 years) to simulate remainder of season. Does not account for disease, insect or weed pressure or extreme climatic events.

\*\* PAW = plant available water; CLL = crop lower limit; DUL = drained upper limit. Note: Soil water parameters are taken from paddocks previously characterised on the same farm. Although the data should be representative of the paddock, minor discrepancies occur.

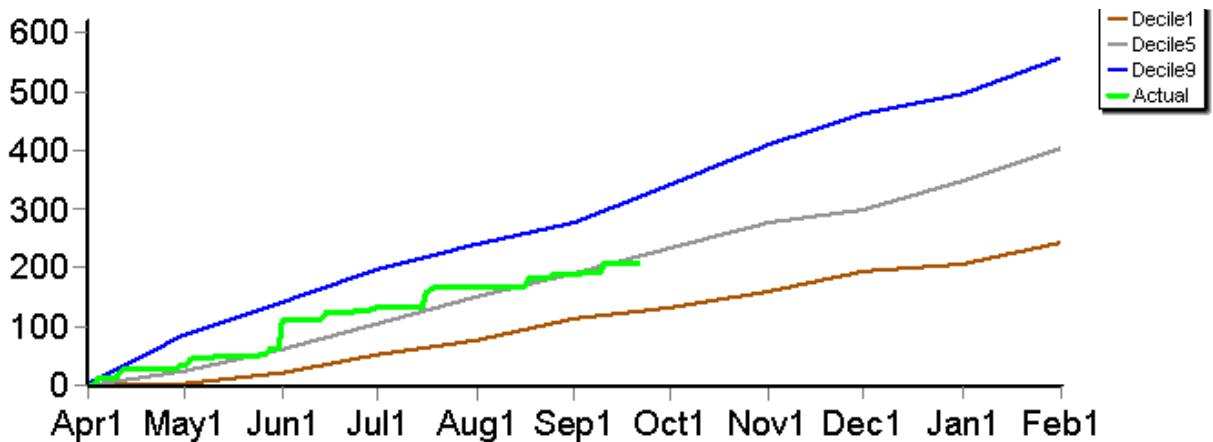
## Water Availability \*\*



## Soil Nitrogen



## Growing Season Rainfall

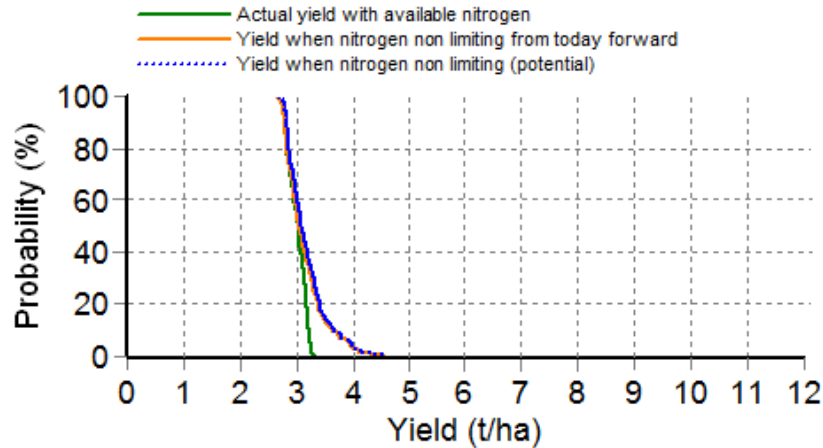


# Temora Ag Innovation Centre ~ CANOLA ~ 25 Sept

**VARIETY** Mid **SOWING DATE** 20/4/2014  
**N APPLIED** 101kg/ha  
**SOIL TYPE** Red Chromosol (Temora No913)  
**SOWING DENSITY** 40 plants/m<sup>2</sup>  
**GROWING SEASON RAINFALL** 294.2mm  
**CURRENT ROOTING DEPTH** 1800mm  
**PREDICTED FINAL ROOTING DEPTH** 1800mm

**CURRENT CROP PAW** 21mm  
**SOIL PAW** 26mm  
**PAWC** 147mm  
**DAILY WATER USE** 1.5mm  
**INITIAL N** 114kg/ha **TOTAL N** 10kg/ha  
**N AVAILABLE TO ROOTS** 11kg/ha  
**CURRENTLY USING** 0.1kg of N/ha/day

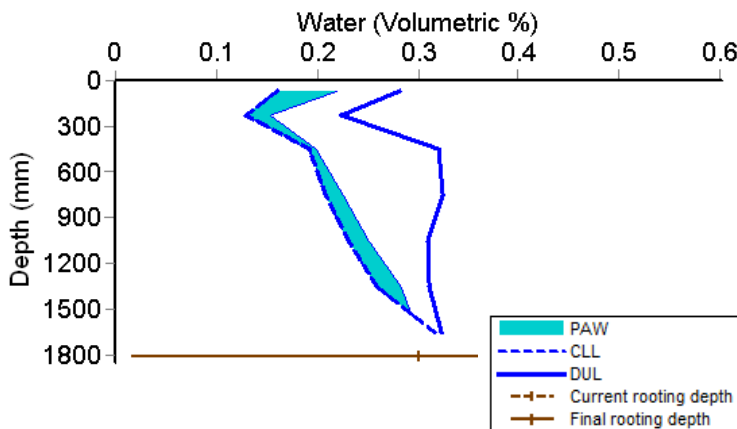
## Grain Yield Probabilities \*



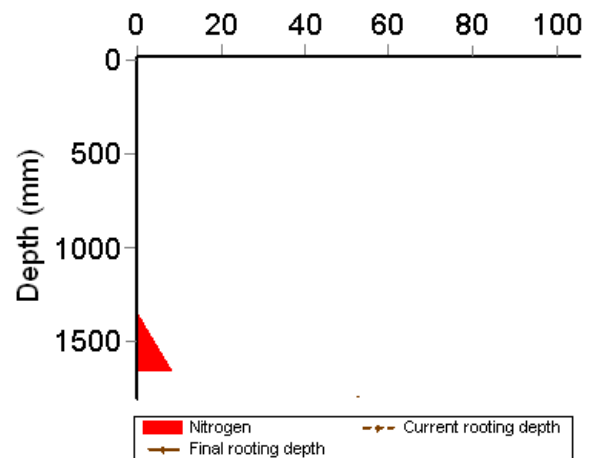
\* given weather, soil N and agronomic inputs to date, and historical climate data (100 years) to simulate remainder of season. Does not account for disease, insect or weed pressure or extreme climatic events.

\*\* PAW = plant available water; CLL = crop lower limit; DUL = drained upper limit. Note: Soil water parameters are taken from paddocks previously characterised on the same farm. Although the data should be representative of the paddock, minor discrepancies occur.

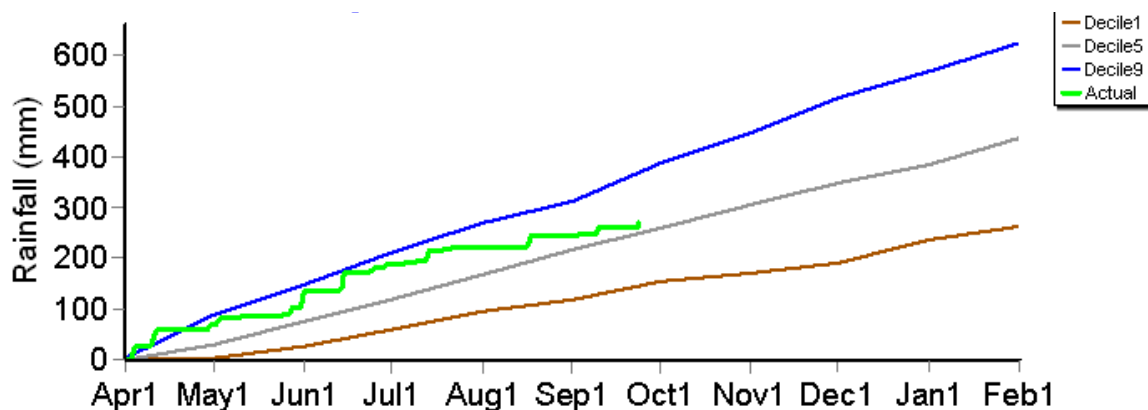
## Water Availability \*\*



## Soil Nitrogen



## Growing Season Rainfall

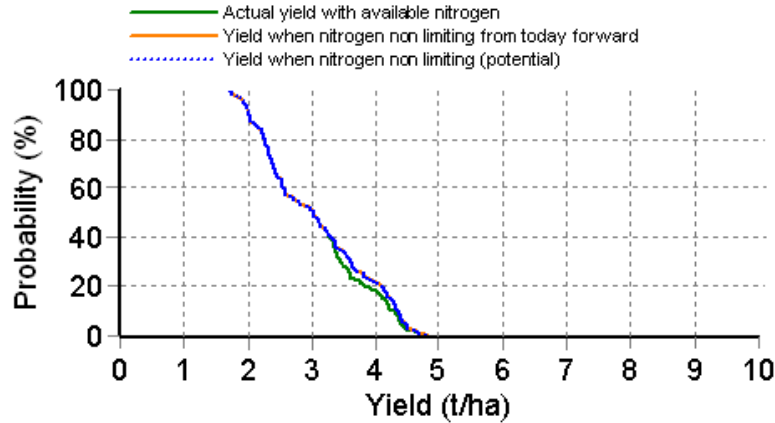


# LOCKHART ~ WHEAT ~ 22 Sept

VARIETY Gregory SOWING DATE 16/5/2014  
 N APPLIED 31kg/ha  
 SOIL TYPE Sodosol (Lockhart 2 No540-YP)  
 SOWING DENSITY 150 plants/m<sup>2</sup>  
 GROWING SEASON RAINFALL 132.8mm  
 CURRENT ROOTING DEPTH 1173mm  
 PREDICTED FINAL ROOTING DEPTH 1186mm

CURRENT CROP PAW 25mm  
 SOIL PAW 26mm  
 PAWC 213mm  
 DAILY WATER USE 0.8mm  
 INITIAL N 160kg/ha TOTAL N 86kg/ha  
 N AVAILABLE TO ROOTS 57.6kg/ha  
 CURRENTLY USING 0.0kg of N/ha/day

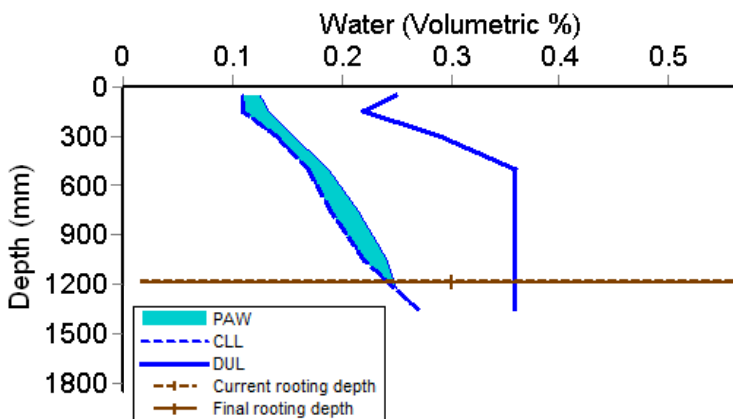
## Grain Yield Probabilities \*



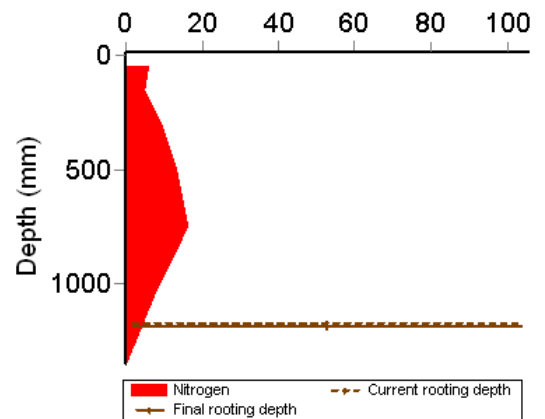
\* given weather, soil N and agronomic inputs to date, and historical climate data (100 years) to simulate remainder of season. Does not account for disease, insect or weed pressure or extreme climatic events.

\*\* PAW = plant available water; CLL = crop lower limit; DUL = drained upper limit. Note: Soil water parameters are taken from paddocks previously characterised on the same farm. Although the data should be representative of the paddock, minor discrepancies occur.

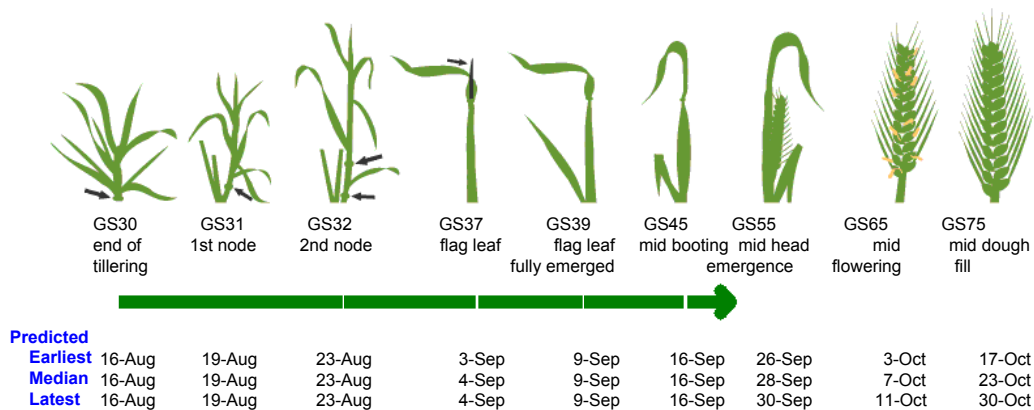
## Water Availability \*\*



## Soil Nitrogen



## Zadok's Growth Stages

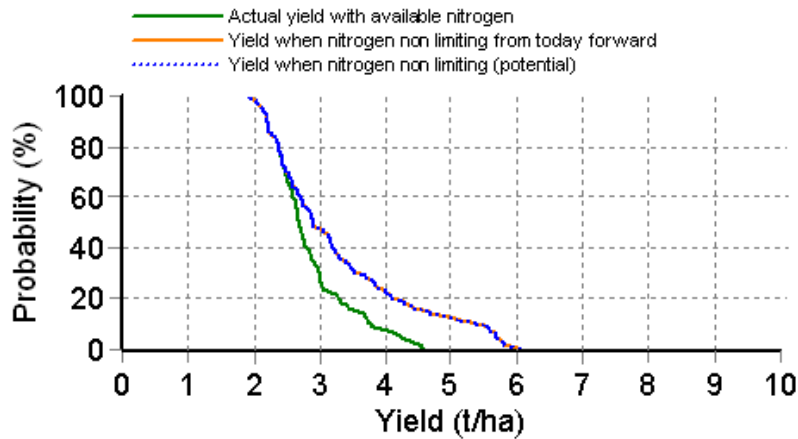


# BARMEDMAN ~ WHEAT ~ 22 Sept

**VARIETY** Spitfire **SOWING DATE** 28/4/14  
**N APPLIED** 10kg/ha  
**SOIL TYPE** Sandy clay over light to medium clay (West Wyalong No693) **SOWING DENSITY** 150 plants/m<sup>2</sup>  
**GROWING SEASON RAINFALL** 178.3mm  
**CURRENT ROOTING DEPTH** 811mm  
**PREDICTED FINAL ROOTING DEPTH** 834mm

**CURRENT CROP PAW** 18mm  
**SOIL PAW** 18mm  
**PAWC** 199mm  
**DAILY WATER USE** 0.9mm  
**INITIAL N** 98kg/ha **TOTAL N** 19kg/ha  
**N AVAILABLE TO ROOTS** 17.9kg/ha  
**CURRENTLY USING** 0.1kg of N/ha/day

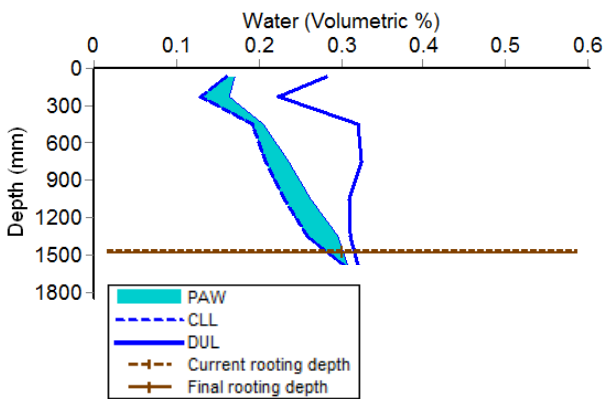
## Grain Yield Probabilities \*



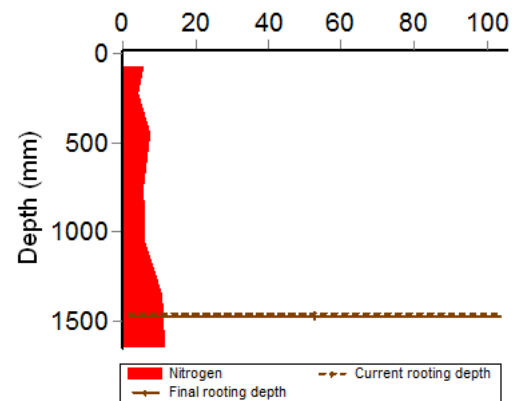
\* given weather, soil N and agronomic inputs to date, and historical climate data (100 years) to simulate remainder of season. Does not account for disease, insect or weed pressure or extreme climatic events.

\*\* PAW = plant available water; CLL = crop lower limit; DUL = drained upper limit. Note: Soil water parameters are taken from paddocks previously characterised on the same farm. Although the data should be representative of the paddock, minor discrepancies occur.

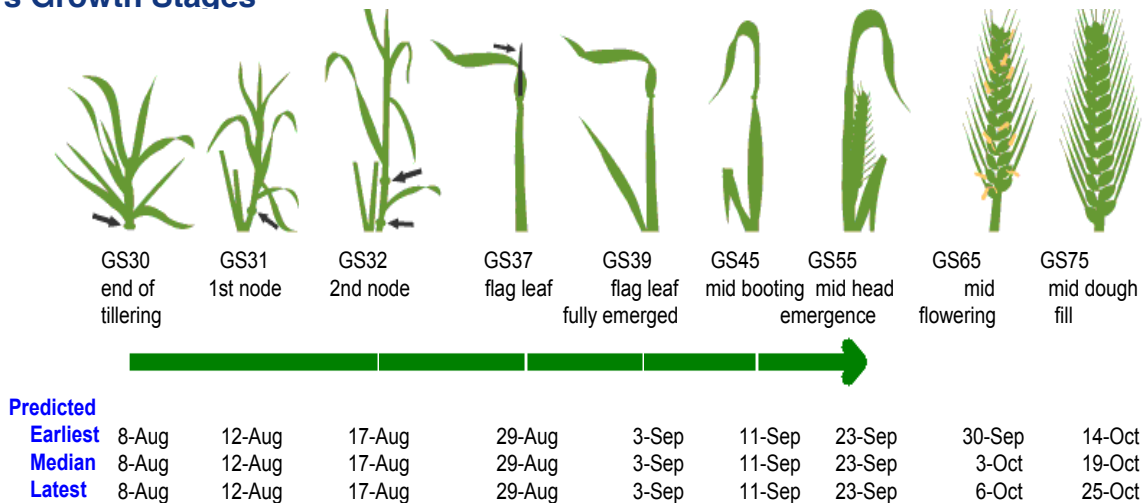
## Water Availability \*\*



## Soil Nitrogen



## Zadok's Growth Stages

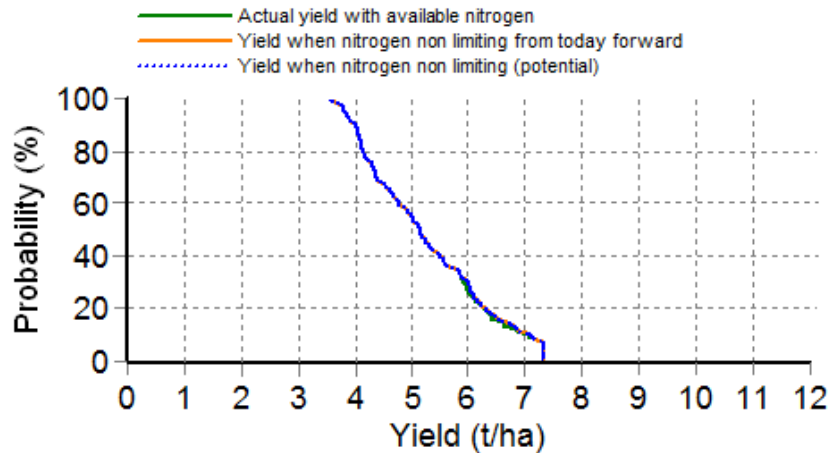


# Temora Ag Innovation Centre ~ BARLEY ~ 25 Sept

VARIETY Hindmarsh SOWING DATE 15/5/2014  
 N APPLIED 101kg/ha  
 SOIL TYPE Red Chromosol (Temora No913)  
 SOWING DENSITY 120 plants/m<sup>2</sup>  
 GROWING SEASON RAINFALL 294.2mm  
 CURRENT ROOTING DEPTH 1455mm  
 PREDICTED FINAL ROOTING DEPTH 1471mm

CURRENT CROP PAW 35mm  
 SOIL PAW 36mm  
 PAWC 147mm  
 DAILY WATER USE 1.8mm  
 INITIAL N 114 kg/ha TOTAL N 53 kg/ha  
 N AVAILABLE TO ROOTS 38.8kg/ha  
 CURRENTLY USING 0.6kg of N/ha/day

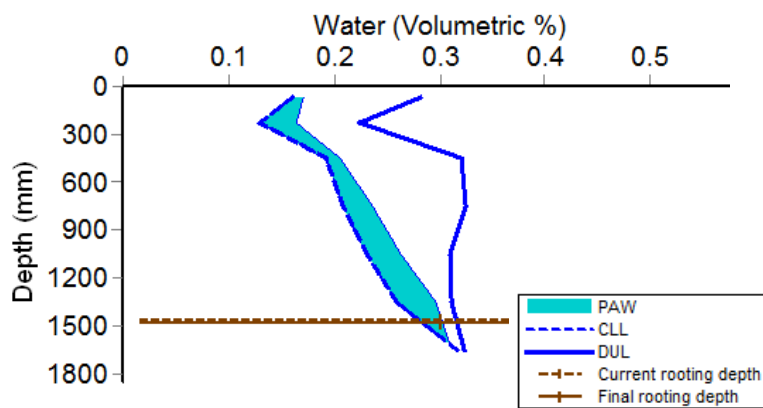
## Grain Yield Probabilities \*



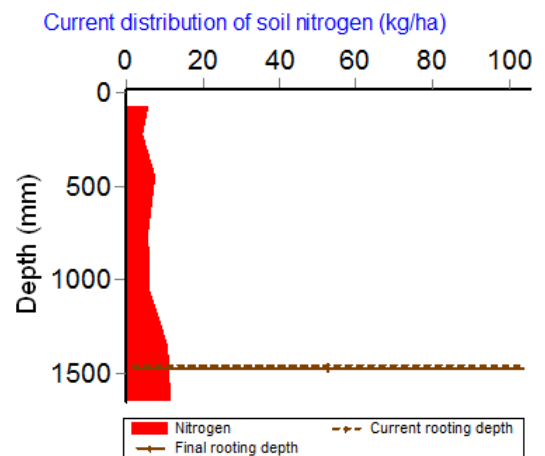
\* given weather, soil N and agronomic inputs to date, and historical climate data (100 years) to simulate remainder of season. Does not account for disease, insect or weed pressure or extreme climatic events.

\*\* PAW = plant available water; CLL = crop lower limit; DUL = drained upper limit. Note: Soil water parameters are taken from paddocks previously characterised on the same farm. Although the data should be representative of the paddock, minor discrepancies occur.

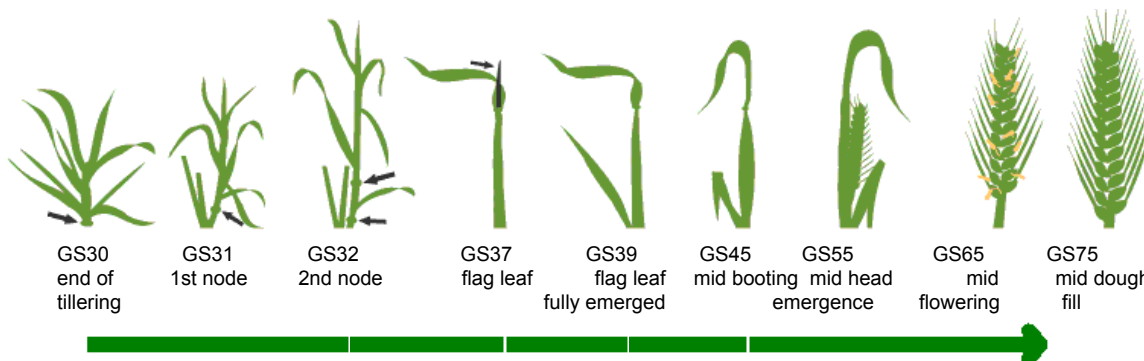
## Water Availability \*\*



## Soil Nitrogen



## Zadok's Growth Stages



### Predicted

	15-Aug	19-Aug	23-Aug	28-Aug	30-Aug	3-Sep	9-Sep	13-Sep	1-Oct
Earliest	15-Aug	19-Aug	23-Aug	28-Aug	30-Aug	3-Sep	9-Sep	13-Sep	1-Oct
Median	15-Aug	19-Aug	23-Aug	28-Aug	31-Aug	3-Sep	9-Sep	13-Sep	5-Oct
Latest	15-Aug	19-Aug	23-Aug	28-Aug	31-Aug	3-Sep	9-Sep	13-Sep	8-Oct

# Temora Ag Innovation Centre ~ Wheat ~ 25 Sept

VARIETY Gregory SOWING DATE 5/5/2014

N APPLIED 101kg/ha

SOIL TYPE Red Chromosol (Temora No913)

SOWING DENSITY 120 plants/m<sup>2</sup>

GROWING SEASON RAINFALL 294.2mm

CURRENT ROOTING DEPTH 1493mm

PREDICTED FINAL ROOTING DEPTH 1499mm

CURRENT CROP PAW 34mm

SOIL PAW 35mm

PAWC 147mm

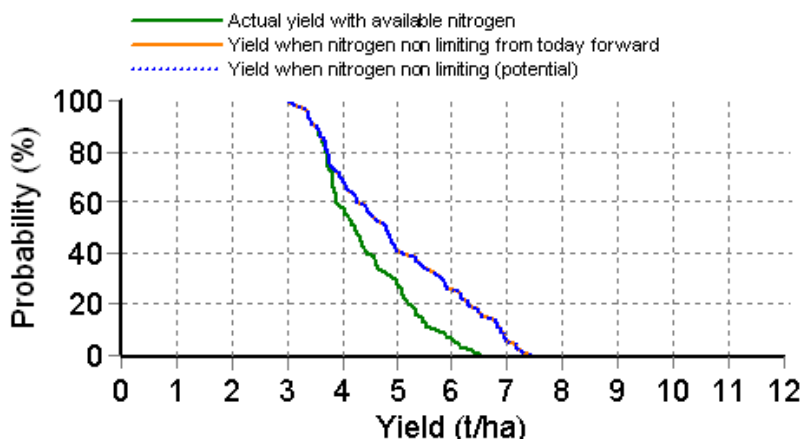
DAILY WATER USE 1.8mm

INITIAL N 114 kg/ha TOTAL N 42 kg/ha

N AVAILABLE TO ROOTS 29.9kg/ha

CURRENTLY USING 0.3kg of N/ha/day

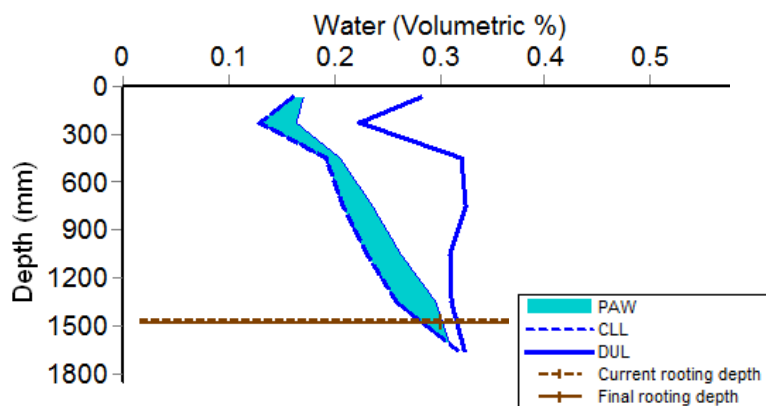
## Grain Yield Probabilities \*



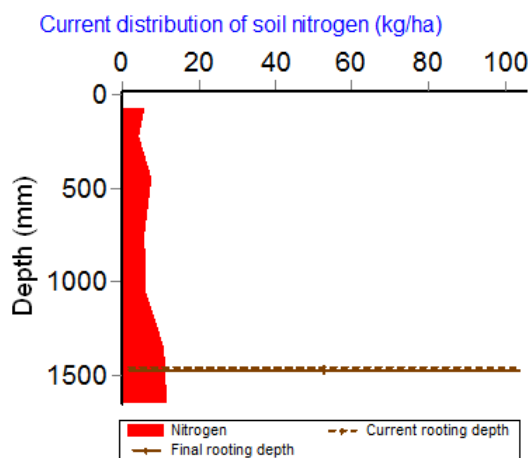
\* given weather, soil N and agronomic inputs to date, and historical climate data (100 years) to simulate remainder of season. Does not account for disease, insect or weed pressure or extreme climatic events.

\*\* PAW = plant available water; CLL = crop lower limit; DUL = drained upper limit. Note: Soil water parameters are taken from paddocks previously characterised on the same farm. Although the data should be representative of the paddock, minor discrepancies occur.

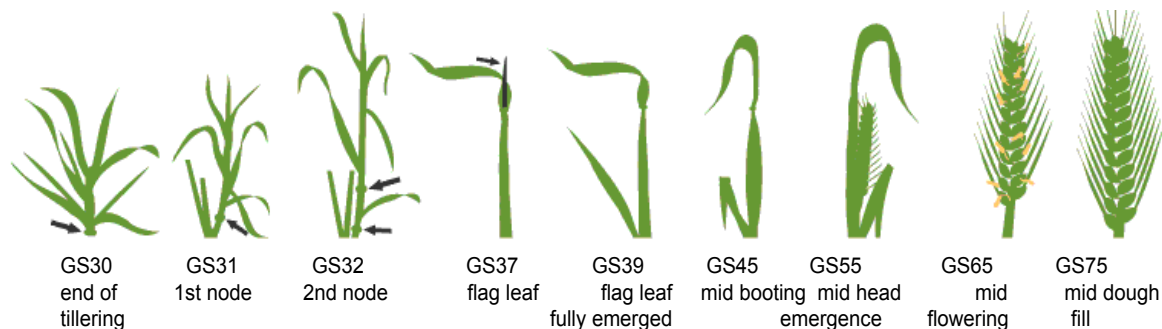
## Water Availability \*\*



## Soil Nitrogen



## Zadok's Growth Stages



Predicted

Earliest

Median

Latest

6-Aug	11-Aug	17-Aug	30-Aug	4-Sep	13-Sep	25-Sep	2-Oct	16-Oct
6-Aug	11-Aug	17-Aug	30-Aug	4-Sep	13-Sep	25-Sep	5-Oct	23-Oct
6-Aug	11-Aug	17-Aug	30-Aug	4-Sep	13-Sep	25-Sep	8-Oct	28-Oct

FarmLink Research 'Weather or Not' July 2013

## ***FarmLink Research***



FarmLink Research Limited  
PO Box 521  
361 Trungley Hall Road Temora NSW 2666  
P: (02) 6980 1333  
E: [farmlink@farmlink.com.au](mailto:farmlink@farmlink.com.au)  
[www.farmlink.com.au](http://www.farmlink.com.au)