



Crop Report

5-Jun-2024

Andrew H Ware:
Matthews Cootra

Crop: Wheat

Cultivar: Calibre

Sowing details: 150 plants/m² on 1-Jun

Expected maturity date: 25-Nov

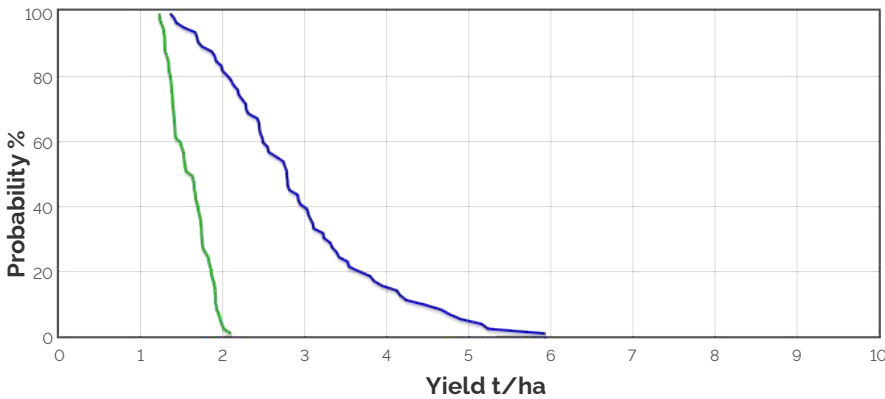
Paddock Details

Initial conditions date: 6-Mar

Soil: Sand (Tuckey No366)
1000 mm max rooting depth
Stubble: 500 kg/ha of Lentil
No till

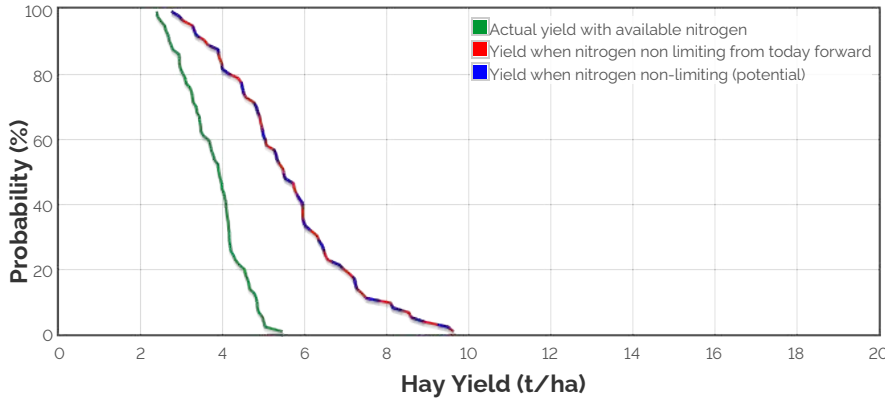
Grain Yield Outcome

- Nitrogen limited Yield
- Water limited Yield
- Nitrogen limited Yield with Frost and heat Effects
- Water limited Yield with Frost and heat Effects



This graph shows the probability of exceeding a range of yield outcomes this season. It takes into account your pre-season soil moisture, the weather conditions so far, soil N and agronomic inputs. The long term record from your nominated weather station is then used to simulate what would have happened from this date on in each year of the climate record. The yield results are used to produce this graph.

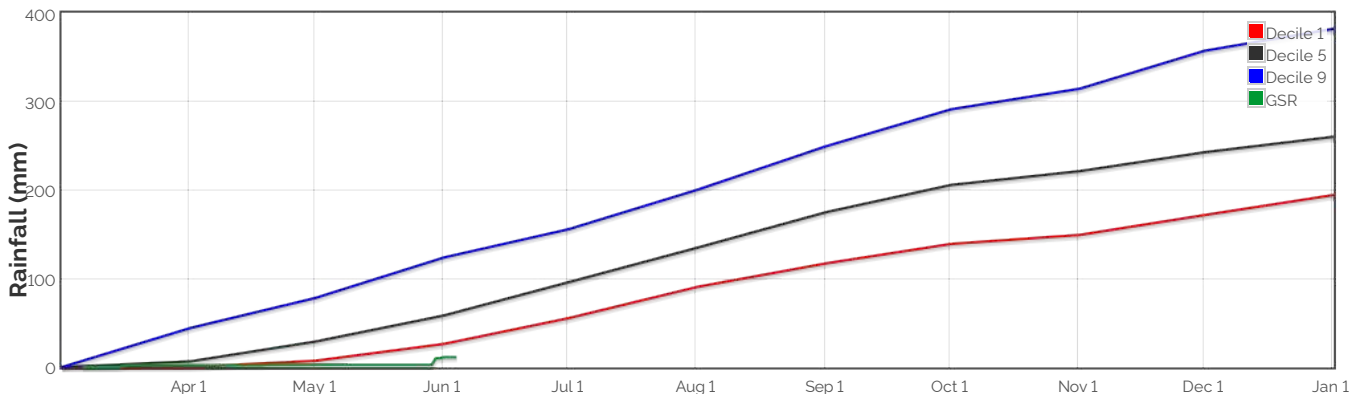
Hay Yield Outcome



This graph shows the probability of exceeding a range of hay yield outcomes this season. It takes into account the same factors as the grain yield graph above. When above ground dry matter is below 2t/ha, hay yield is assumed to be 70% of dry matter, with a moisture content of 13%. When dry matter is between 2 and 12t/ha, hay yield is assumed to be between 70 and 75% of dry matter (sliding scale). When dry matter is above 12t/ha, hay yield is assumed to be between 75 and 80% (sliding scale).

Current dry matter: 0kg/ha

The Season So Far - Growing Season Rainfall Deciles



Simulated and Predicted Crop Growth Stage



Predicted

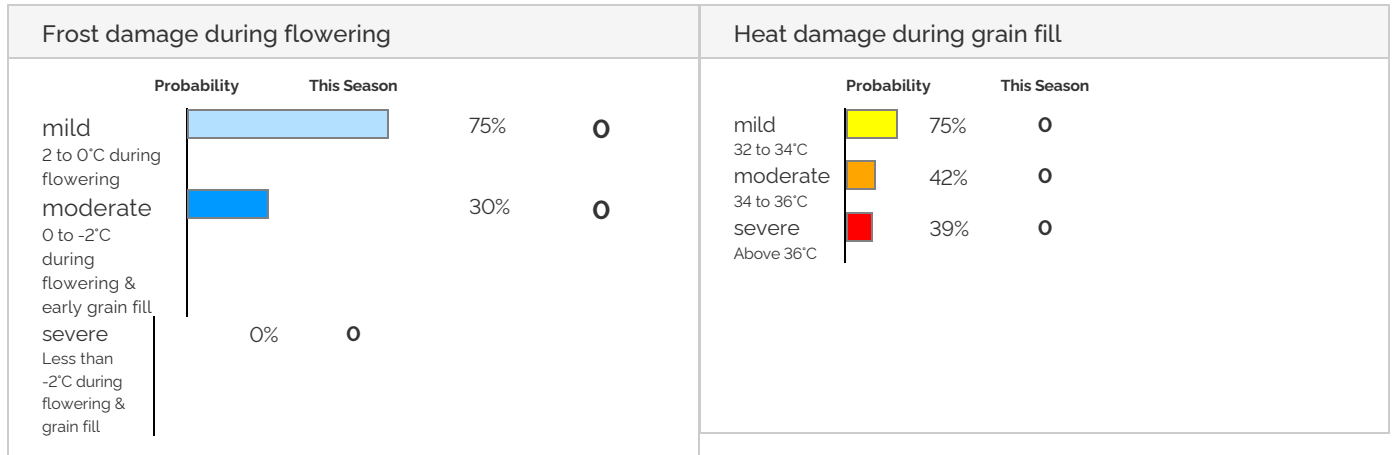
Earliest	16-Jun	22-Jun	29-Jun	10-Jul	21-Jul	31-Jul
Median	20-Jun	28-Jun	8-Jul	18-Jul	29-Jul	7-Aug
Latest	26-Jun	4-Jul	16-Jul	27-Jul	7-Aug	15-Aug



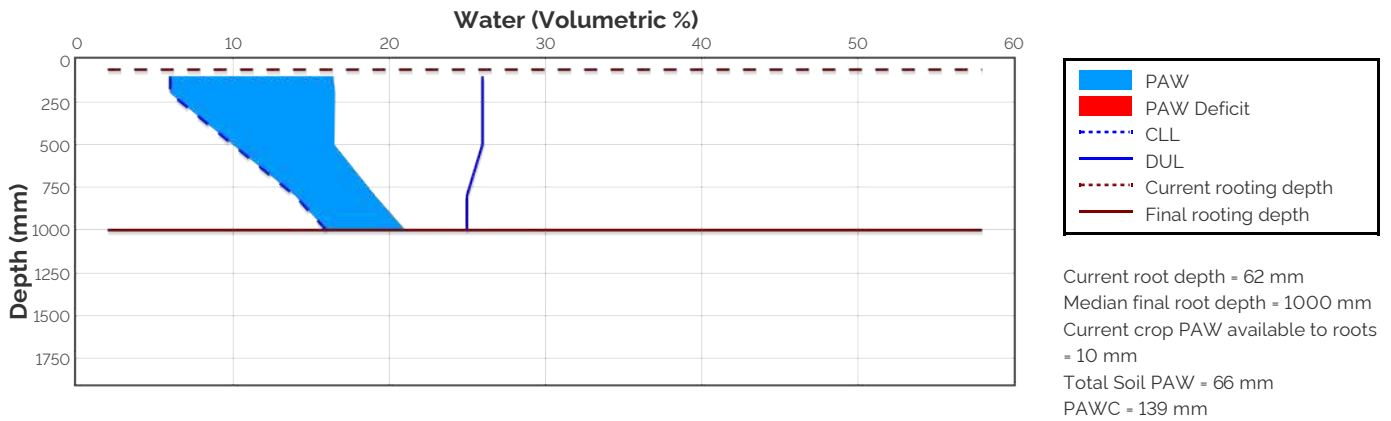
Predicted

Earliest	1-Aug	2-Aug	10-Aug	14-Aug	15-Aug	22-Aug	2-Sep	9-Sep	26-Sep
Median	11-Aug	15-Aug	21-Aug	28-Aug	29-Aug	5-Sep	16-Sep	22-Sep	9-Oct
Latest	18-Aug	27-Aug	31-Aug	11-Sep	12-Sep	19-Sep	30-Sep	6-Oct	22-Oct

Probability and Incidence of Frost and Heat Shock



Current Distribution of PAW



Water Budget

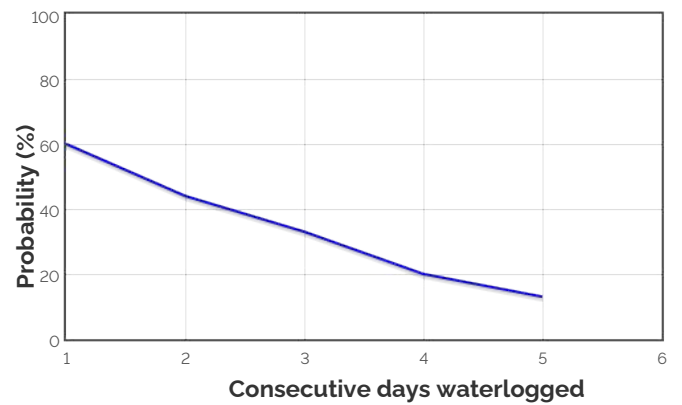
Initial PAW status @ 6-Mar
 Rainfall since 6-Mar
 Irrigations
 Evaporation since 6-Mar
 Transpiration since 6-Mar
 Deep drainage since 6-Mar
 Run-off since 6-Mar

73 mm
 11.3 mm
 17 mm
 0 mm
 0 mm
 0 mm

Current PAW status:

66 mm

Probability of Future Waterlogging Events



Nitrogen Budget

Initial N status @ 6-Mar
 N mineralisation since 6-Mar
 N tie up since 6-Mar
 N applications

51 kg/ha
 100 kg/ha
 0 kg/ha

Total N in plant
 De-nitrification since 6-Mar
 Leaching since 6-Mar

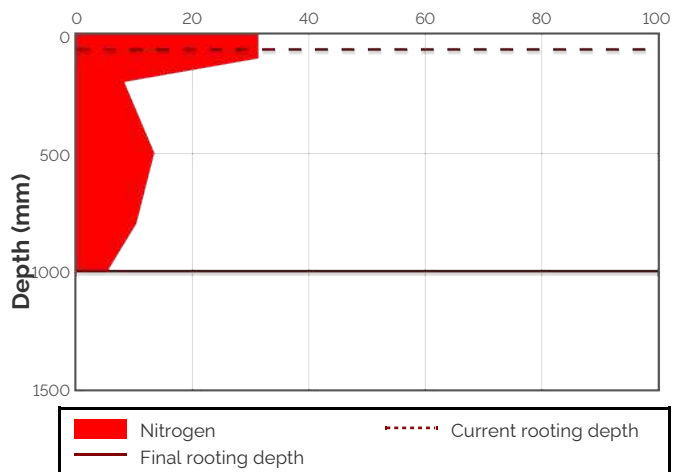
1-May : 20 kg/ha
 0 kg/ha
 0 kg/ha
 0 kg/ha

Current N status:

69 kg/ha

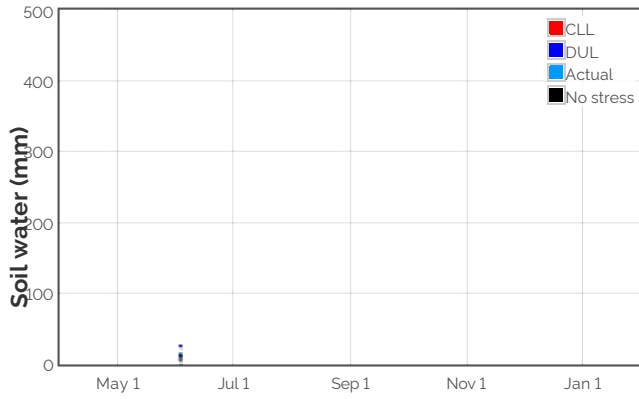
Median N mineralisation to maturity = 108.982294468236 kg/ha
 Median N tie up to maturity = 0 kg/ha

Current distribution of soil nitrogen (kg/ha)

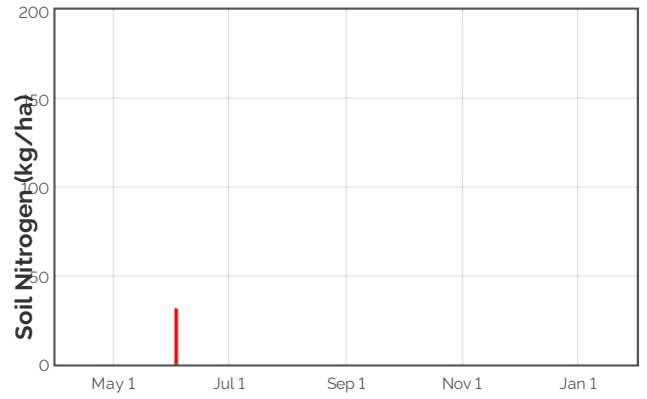


Current Crop Available N = 31 kg/ha
 Total Soil N = 69 kg/ha

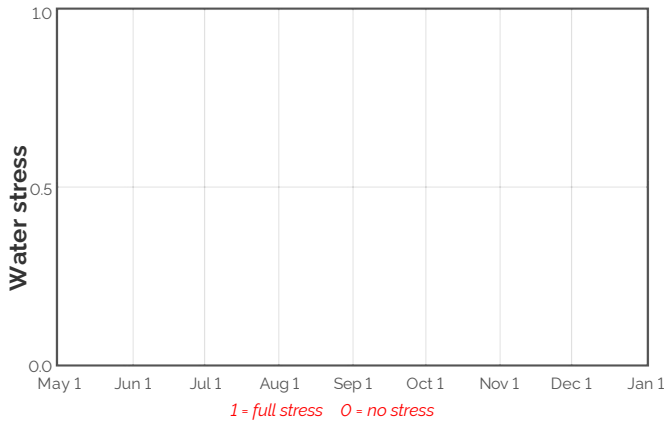
Availability of Water to Growing Roots



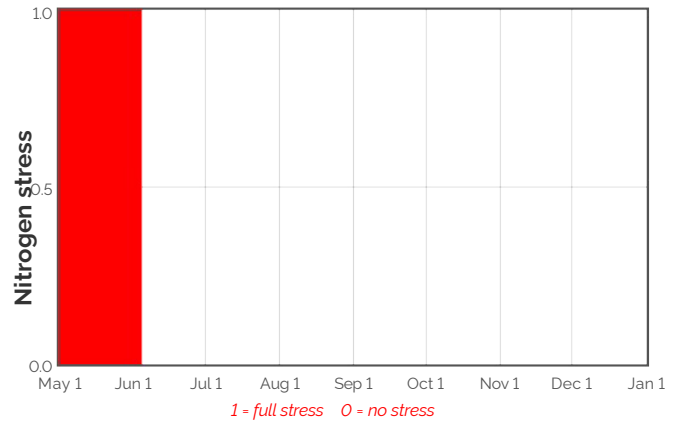
Availability of Soil Nitrogen to Growing Roots



Water Stress



Nitrogen Stress



Brief periods of mild to moderate stress do not necessarily lead to reduced yield. To see the likely impacts of additional nitrogen fertiliser rates use the Nitrogen and Nitrogen Profit reports.

Median projected crop performance and requirements for the next 10 days assuming no rain and no added fertiliser

Date	Growth Stage	Evap. (mm)	Water use (mm)	N use (kg/ha)	Water avail. to roots above stress threshold (mm)	Water avail. to roots above CLL (mm)	N avail. to roots (kg/ha)	Mineralisation (kg/ha)	N tie up (kg/ha)
6-Mar	9.0	0.0	0.0	0.0	-7.0	0.0	11.2	15	0.0
7-Mar	9.0	0.5	0.0	0.0	-6.0	0.0	11.9	16	0.0
8-Mar	9.0	0.2	0.0	0.0	-5.0	1.0	12.4	16	0.0
9-Mar	9.0	0.2	0.0	0.0	-4.2	1.8	12.8	17	0.0
10-Mar	9.0	0.2	0.0	0.0	-3.5	2.5	13.0	18	0.0
11-Mar	9.0	0.2	0.0	0.0	-3.0	3.0	13.1	18	0.0
12-Mar	9.0	0.2	0.0	0.0	-2.6	3.4	13.1	18	0.0
13-Mar	9.0	0.2	0.0	0.0	-2.2	3.8	13.1	18	0.0
14-Mar	9.0	0.2	0.0	0.0	-1.9	4.1	13.2	18	0.0
15-Mar	9.0	0.6	0.0	0.0	-1.6	4.4	13.2	16	0.0
16-Mar	9.0	1.2	0.0	0.0	-1.4	4.6	13.3	16	0.0
17-Mar	9.0	0.9	0.0	0.0	-1.2	4.8	13.3	16	0.0
18-Mar	9.0	0.2	0.0	0.0	-1.0	5.0	13.4	15	0.0
19-Mar	9.0	0.2	0.0	0.0	-0.9	5.1	13.4	14	0.0
20-Mar	9.0	0.2	0.0	0.0	-0.7	5.3	13.5	13	0.0
21-Mar	9.0	0.2	0.0	0.0	-0.6	5.4	13.5	12	0.0
22-Mar	9.0	0.2	0.0	0.0	-0.5	5.5	13.6	12	0.0
23-Mar	9.0	0.2	0.0	0.0	-0.4	5.6	13.7	12	0.0
24-Mar	9.0	0.2	0.0	0.0	-0.3	5.7	13.7	12	0.0
25-Mar	9.0	0.2	0.0	0.0	-0.2	5.8	13.8	11	0.0
26-Mar	9.0	0.2	0.0	0.0	-0.1	5.9	13.8	11	0.0
27-Mar	9.0	0.2	0.0	0.0	-0.1	5.9	13.9	12	0.0
28-Mar	9.0	0.2	0.0	0.0	0.0	6.0	13.9	12	0.0
29-Mar	9.0	0.2	0.0	0.0	0.1	6.1	14.0	13	0.0
30-Mar	9.0	0.2	0.0	0.0	0.1	6.1	14.1	13	0.0
31-Mar	9.0	0.2	0.0	0.0	0.2	6.2	14.1	13	0.0
1-Apr	9.0	0.0	0.0	0.0	0.4	6.4	14.2	13	0.0
2-Apr	9.0	0.1	0.0	0.0	0.5	6.5	14.3	12	0.0
3-Apr	9.0	0.1	0.0	0.0	0.6	6.6	14.3	12	0.0
4-Apr	9.0	0.1	0.0	0.0	0.7	6.7	14.4	11	0.0
5-Apr	9.0	0.1	0.0	0.0	0.7	6.7	14.4	11	0.0

6-Apr	9.0	0.1	0.0	0.0	0.8	68	14.5	11	0.0
7-Apr	9.0	0.1	0.0	0.0	0.9	6.9	14.6	11	0.0
8-Apr	9.0	0.1	0.0	0.0	1.0	7.0	14.6	11	0.0
9-Apr	9.0	0.1	0.0	0.0	1.0	7.0	14.7	1.0	0.0
10-Apr	9.0	0.1	0.0	0.0	1.1	7.1	14.7	1.0	0.0
11-Apr	9.0	0.1	0.0	0.0	1.1	7.1	14.8	1.1	0.0
12-Apr	9.0	0.1	0.0	0.0	1.2	7.2	14.8	1.0	0.0
13-Apr	9.0	0.1	0.0	0.0	1.2	7.2	14.9	1.0	0.0
14-Apr	9.0	0.1	0.0	0.0	1.3	7.3	15.0	1.0	0.0
15-Apr	9.0	0.1	0.0	0.0	1.3	7.3	15.0	1.1	0.0
16-Apr	9.0	0.1	0.0	0.0	1.4	7.4	15.1	1.1	0.0
17-Apr	9.0	0.1	0.0	0.0	1.4	7.4	15.1	1.0	0.0
18-Apr	9.0	0.1	0.0	0.0	1.5	7.5	15.2	1.0	0.0
19-Apr	9.0	0.1	0.0	0.0	1.8	7.8	15.2	1.0	0.0
20-Apr	9.0	0.1	0.0	0.0	1.9	7.9	15.3	1.0	0.0
21-Apr	9.0	0.1	0.0	0.0	1.9	7.9	15.3	1.0	0.0
22-Apr	9.0	0.1	0.0	0.0	1.9	7.9	15.4	1.0	0.0
23-Apr	9.0	0.1	0.0	0.0	1.9	7.9	15.4	1.0	0.0
24-Apr	9.0	0.1	0.0	0.0	2.0	8.0	15.5	1.0	0.0
25-Apr	9.0	0.1	0.0	0.0	2.0	8.0	15.5	0.9	0.0
26-Apr	9.0	0.1	0.0	0.0	2.0	8.0	15.6	0.9	0.0
27-Apr	9.0	0.1	0.0	0.0	2.0	8.0	15.7	0.9	0.0
28-Apr	9.0	0.1	0.0	0.0	2.0	8.0	15.7	1.0	0.0
29-Apr	9.0	0.1	0.0	0.0	2.0	8.0	15.8	1.0	0.0
30-Apr	9.0	0.1	0.0	0.0	2.1	8.1	15.8	0.9	0.0
1-May	9.0	0.1	0.0	0.0	2.1	8.1	35.9	0.9	0.0
2-May	9.0	0.1	0.0	0.0	2.1	8.1	35.9	0.9	0.0
3-May	9.0	0.1	0.0	0.0	2.1	8.1	36.0	0.9	0.0
4-May	9.0	0.1	0.0	0.0	2.1	8.1	36.0	0.9	0.0
5-May	9.0	0.1	0.0	0.0	2.1	8.1	36.1	0.9	0.0
6-May	9.0	0.1	0.0	0.0	2.2	8.2	36.2	0.9	0.0
7-May	9.0	0.1	0.0	0.0	2.2	8.2	36.2	0.9	0.0
8-May	9.0	0.1	0.0	0.0	2.2	8.2	36.3	0.9	0.0
9-May	9.0	0.1	0.0	0.0	2.2	8.2	36.4	1.0	0.0
10-May	9.0	0.1	0.0	0.0	2.2	8.2	36.4	1.0	0.0
11-May	9.0	0.1	0.0	0.0	2.2	8.2	36.5	0.9	0.0
12-May	9.0	0.1	0.0	0.0	2.2	8.2	36.6	0.9	0.0
13-May	9.0	0.1	0.0	0.0	2.3	8.3	36.6	0.9	0.0
14-May	9.0	0.1	0.0	0.0	2.3	8.3	36.7	0.9	0.0
15-May	9.0	0.1	0.0	0.0	2.3	8.3	36.7	1.0	0.0
16-May	9.0	0.1	0.0	0.0	2.3	8.3	36.8	1.0	0.0
17-May	9.0	0.1	0.0	0.0	2.3	8.3	36.9	0.9	0.0
18-May	9.0	0.1	0.0	0.0	2.3	8.3	36.9	0.9	0.0
19-May	9.0	0.1	0.0	0.0	2.3	8.3	37.0	0.8	0.0
20-May	9.0	0.1	0.0	0.0	2.3	8.3	37.0	0.8	0.0
21-May	9.0	0.1	0.0	0.0	2.3	8.3	37.1	0.8	0.0
22-May	9.0	0.1	0.0	0.0	2.4	8.4	37.1	0.8	0.0
23-May	9.0	0.1	0.0	0.0	2.4	8.4	37.2	0.8	0.0
24-May	9.0	0.1	0.0	0.0	2.4	8.4	37.2	0.8	0.0
25-May	9.0	0.1	0.0	0.0	2.4	8.4	37.3	0.9	0.0
26-May	9.0	0.1	0.0	0.0	2.4	8.4	37.4	0.9	0.0
27-May	9.0	0.1	0.0	0.0	2.4	8.4	37.4	0.9	0.0
28-May	9.0	0.1	0.0	0.0	2.4	8.4	37.5	0.9	0.0
29-May	9.0	0.1	0.0	0.0	2.4	8.4	37.6	0.9	0.0
30-May	9.0	2.1	0.0	0.0	5.2	11.2	32.6	0.9	0.0
31-May	9.0	0.1	0.0	0.0	5.0	11.0	32.1	0.9	0.0
1-Jun	9.0	1.3	0.0	0.0	4.8	10.8	31.9	0.8	0.0
2-Jun	9.0	0.1	0.0	0.0	4.7	10.7	31.7	0.8	0.0
3-Jun	9.0	0.1	0.0	0.0	4.6	10.6	31.5	0.8	0.0
4-Jun	9.0	0.1	0.0	0.0	4.5	10.5	31.3	0.8	0.0
5-Jun	9.0	0.1	0.0	0.0	4.4	10.4	31.2	0.8	0.0
6-Jun	9.0	0.1	0.0	0.0	4.4	10.4	31.1	0.8	0.0
7-Jun	9.0	0.1	0.0	0.0	4.3	10.3	31.0	0.8	0.0
8-Jun	9.0	0.1	0.0	0.0	4.2	10.2	31.0	0.8	0.0
9-Jun	9.0	0.1	0.0	0.0	4.2	10.2	30.9	0.8	0.0
10-Jun	9.0	0.1	0.0	0.0	4.1	10.1	31.0	0.8	0.0
11-Jun	9.0	0.1	0.0	0.0	4.1	10.1	31.0	0.8	0.0
12-Jun	10.0	0.1	0.0	-0.1	4.4	10.7	31.1	0.8	0.0
13-Jun	10.2	0.1	0.0	-0.1	5.0	12.3	32.0	0.8	0.0
14-Jun	10.3	0.1	0.0	0.0	5.6	13.8	33.2	0.8	0.0
15-Jun	10.4	0.1	0.0	0.0	6.2	15.4	34.4	0.8	0.0
16-Jun	10.6	0.1	0.0	0.0	7.3	18.2	36.0	0.8	0.0
17-Jun	10.8	0.1	0.0	0.0	8.0	20.2	37.2	0.8	0.0
18-Jun	10.9	0.1	0.0	0.0	8.7	21.4	38.0	0.8	0.0
19-Jun	11.1	0.1	0.0	-0.1	9.0	22.8	38.8	0.8	0.0
20-Jun	11.2	0.2	0.0	-0.1	9.4	23.8	39.2	0.7	0.0
21-Jun	11.3	0.3	0.0	-0.1	11.0	26.3	39.5	0.7	0.0
22-Jun	11.4	0.4	0.0	-0.1	12.0	27.7	40.0	0.7	0.0
23-Jun	11.5	0.1	0.0	-0.1	12.6	29.0	40.3	0.7	0.0
24-Jun	11.7	0.2	0.0	-0.1	14.4	30.8	40.6	0.7	0.0

25-Jun	118	0.4	0.0	-0.2	14.6	32.2	41.1	0.7	0.0
26-Jun	12.0	0.2	0.1	-0.2	15.0	33.3	41.7	0.7	0.0
27-Jun	12.1	0.2	0.1	-0.2	15.4	34.5	42.2	0.7	0.0
28-Jun	12.2	0.4	0.1	-0.3	15.6	35.6	42.7	0.7	0.0
29-Jun	12.3	0.3	0.1	-0.2	18.0	38.2	43.2	0.7	0.0
30-Jun	12.4	0.6	0.1	-0.3	19.0	39.3	43.2	0.7	0.0
1-Jul	12.5	0.6	0.1	-0.3	19.6	40.4	43.7	0.7	0.0
2-Jul	12.6	0.5	0.1	-0.4	20.2	41.3	44.1	0.7	0.0
3-Jul	12.7	0.5	0.1	-0.4	20.8	42.6	44.5	0.7	0.0
4-Jul	12.8	0.6	0.1	-0.4	21.2	44.3	44.9	0.7	0.0
5-Jul	12.9	0.6	0.1	-0.4	21.8	45.2	45.2	0.7	0.0
6-Jul	12.9	0.9	0.1	-0.5	22.2	49.3	45.5	0.7	0.0
7-Jul	13.0	0.6	0.2	-0.5	24.4	50.6	45.7	0.7	0.0
8-Jul	13.2	0.6	0.2	-0.5	24.5	51.4	45.8	0.7	0.0
9-Jul	13.2	0.5	0.2	-0.6	25.8	53.0	45.8	0.7	0.0
10-Jul	13.3	0.5	0.2	-0.6	26.3	54.7	45.7	0.7	0.0
11-Jul	13.4	0.8	0.2	-0.7	27.8	56.8	45.5	0.7	0.0
12-Jul	13.5	0.8	0.2	-0.8	29.4	58.0	45.1	0.6	0.0
13-Jul	13.6	0.8	0.3	-0.9	30.0	58.4	44.7	0.6	0.0
14-Jul	13.7	0.6	0.3	-0.9	29.6	58.6	44.5	0.6	0.0
15-Jul	13.8	0.5	0.4	-1.1	30.2	60.3	43.5	0.7	0.0
16-Jul	13.9	0.6	0.3	-1.1	30.6	60.6	42.8	0.7	0.0
17-Jul	14.0	0.8	0.4	-1.3	30.7	61.4	42.0	0.7	0.0
18-Jul	14.1	0.7	0.4	-1.3	30.6	61.6	41.0	0.7	0.0
19-Jul	14.2	0.7	0.4	-1.4	30.6	63.0	40.0	0.6	0.0
20-Jul	14.3	0.6	0.5	-1.6	30.5	63.2	39.4	0.6	0.0
21-Jul	14.4	0.6	0.6	-1.6	30.9	63.8	37.9	0.6	0.0
22-Jul	14.5	0.5	0.6	-1.7	34.3	66.8	36.4	0.6	0.0
23-Jul	14.6	0.6	0.6	-1.6	34.6	67.0	35.8	0.6	0.0
24-Jul	14.7	0.8	0.6	-1.5	33.6	67.3	34.4	0.6	0.0
25-Jul	14.8	0.8	0.7	-1.5	33.3	67.6	33.4	0.6	0.0
26-Jul	14.9	0.8	0.7	-1.4	33.7	67.6	32.4	0.6	0.0
27-Jul	15.0	0.7	0.8	-1.3	33.0	67.9	31.5	0.6	0.0
28-Jul	15.1	0.6	0.8	-1.2	32.9	68.2	30.9	0.6	0.0
29-Jul	15.2	0.8	0.9	-1.1	33.6	69.4	30.2	0.6	0.0
30-Jul	15.3	0.6	0.9	-1.0	32.5	70.1	29.7	0.6	0.0
31-Jul	15.4	0.7	1.0	-1.0	31.8	70.2	29.1	0.6	0.0
1-Aug	15.5	0.6	1.0	-0.9	31.8	69.8	28.6	0.6	0.0
2-Aug	15.6	0.6	1.0	-0.8	31.6	69.8	28.2	0.6	0.0
3-Aug	15.7	0.6	1.1	-0.8	31.4	70.4	27.9	0.6	0.0
4-Aug	15.8	0.7	1.1	-0.8	32.1	71.1	27.6	0.6	0.0
5-Aug	16.0	0.7	1.1	-0.7	32.4	70.6	27.2	0.6	0.0
6-Aug	16.0	0.6	1.2	-0.7	32.4	71.9	27.0	0.6	0.0
7-Aug	16.0	0.7	1.3	-0.7	32.7	73.0	26.6	0.6	0.0
8-Aug	16.0	0.6	1.3	-0.6	31.6	72.0	26.0	0.6	0.0
9-Aug	16.0	0.6	1.3	-0.6	31.2	71.2	25.6	0.6	0.0
10-Aug	30.2	0.6	1.2	-0.6	32.9	73.7	25.4	0.6	0.0
11-Aug	30.4	0.6	1.4	-0.5	33.6	74.6	25.0	0.6	0.0
12-Aug	30.6	0.6	1.5	-0.5	33.9	75.2	24.6	0.6	0.0
13-Aug	30.8	0.6	1.5	-0.5	33.3	74.6	24.2	0.6	0.0
14-Aug	31.2	0.6	1.4	-0.4	30.8	72.6	23.8	0.6	0.0
15-Aug	31.4	0.6	1.6	-0.4	28.4	70.2	23.4	0.6	0.0
16-Aug	31.4	0.6	1.6	-0.4	27.0	68.6	22.9	0.6	0.0
17-Aug	31.6	0.6	1.5	-0.4	26.4	68.1	22.5	0.6	0.0
18-Aug	31.8	0.6	1.8	-0.4	25.6	67.4	22.2	0.6	0.0
19-Aug	32.0	0.6	1.8	-0.3	24.5	66.2	21.8	0.6	0.0
20-Aug	32.3	0.6	1.9	-0.3	21.8	63.6	21.4	0.6	0.0
21-Aug	32.4	0.6	2.0	-0.3	20.0	61.8	21.2	0.6	0.0
22-Aug	32.6	0.6	1.8	-0.3	17.8	59.6	20.8	0.6	0.0
23-Aug	32.8	0.6	1.8	-0.3	15.9	57.6	20.5	0.6	0.0
24-Aug	33.0	0.6	2.0	-0.3	14.7	56.4	20.2	0.6	0.0
25-Aug	34.1	0.6	2.0	-0.3	13.1	54.8	19.9	0.6	0.0
26-Aug	36.2	0.6	2.2	-0.2	13.2	54.9	19.6	0.6	0.0
27-Aug	38.2	0.6	2.4	-0.2	12.2	53.8	19.4	0.6	0.0
28-Aug	39.0	0.6	2.2	-0.2	9.9	51.6	19.2	0.6	0.0
29-Aug	39.7	0.6	2.1	-0.2	8.5	50.2	18.9	0.6	0.0
30-Aug	40.7	0.6	2.2	-0.2	7.6	49.4	18.6	0.6	0.0
31-Aug	41.5	0.6	2.1	-0.2	4.8	46.6	18.4	0.6	0.0
1-Sep	42.5	0.5	2.3	-0.2	5.2	47.0	18.1	0.6	0.0
2-Sep	43.4	0.6	2.2	-0.2	4.2	45.8	17.9	0.6	0.0
3-Sep	44.4	0.7	2.2	-0.2	5.4	47.2	17.6	0.6	0.0
4-Sep	45.2	0.7	2.3	-0.2	2.8	44.4	17.5	0.6	0.0
5-Sep	46.0	0.6	2.2	-0.2	0.6	42.3	17.3	0.6	0.0
6-Sep	46.9	0.6	2.0	-0.1	-1.2	40.5	17.2	0.6	0.0
7-Sep	47.6	0.6	2.2	-0.1	-1.5	40.2	17.0	0.6	0.0
8-Sep	48.6	0.6	2.3	-0.1	-2.6	39.1	17.0	0.6	0.0
9-Sep	49.8	0.7	2.4	-0.1	-3.7	38.0	16.8	0.6	0.0
10-Sep	50.8	0.7	2.7	-0.1	-5.1	36.6	16.6	0.6	0.0
11-Sep	51.8	0.6	2.2	-0.1	-7.4	34.2	16.6	0.6	0.0
12-Sep	52.6	0.7	2.2	-0.1	-8.4	33.4	16.4	0.6	0.0

13-Sep	53.4	0.7	2.4	-0.1	-7.9	33.8	16.3	0.6	0.0
14-Sep	54.5	0.7	2.6	-0.1	-9.8	31.8	16.2	0.6	0.0
15-Sep	56.0	0.7	2.6	-0.1	-11.0	30.7	16.1	0.6	0.0
16-Sep	57.8	0.7	2.2	-0.1	-11.6	30.2	16.0	0.6	0.0
17-Sep	59.4	0.7	2.3	-0.1	-11.8	29.9	15.9	0.6	0.0
18-Sep	60.9	0.6	2.3	-0.1	-13.3	28.4	15.8	0.6	0.0
19-Sep	62.6	0.6	2.4	-0.1	-14.4	27.4	15.6	0.6	0.0
20-Sep	64.6	0.5	2.2	-0.1	-14.2	27.4	15.5	0.6	0.0
21-Sep	65.4	0.5	2.2	-0.1	-15.8	25.8	15.4	0.6	0.0
22-Sep	66.2	0.4	2.3	-0.1	-16.2	25.5	15.3	0.6	0.0
23-Sep	67.0	0.4	2.0	-0.1	-17.7	24.0	15.2	0.6	0.0
24-Sep	67.8	0.5	2.1	-0.1	-18.5	23.2	15.2	0.6	0.0
25-Sep	68.5	0.4	1.8	-0.1	-19.2	22.4	15.1	0.6	0.0
26-Sep	69.2	0.5	2.1	-0.1	-20.9	20.8	15.0	0.6	0.0
27-Sep	69.9	0.5	2.0	-0.1	-22.2	19.5	14.9	0.6	0.0
28-Sep	70.6	0.6	1.7	-0.1	-23.2	18.4	14.8	0.6	0.0
29-Sep	71.2	0.5	1.8	-0.1	-23.6	18.0	14.8	0.6	0.0
30-Sep	71.6	0.4	1.7	-0.1	-24.3	17.4	14.7	0.6	0.0
1-Oct	72.1	0.4	1.7	-0.1	-23.5	18.2	14.6	0.6	0.0
2-Oct	72.5	0.4	1.2	-0.1	-23.2	18.4	14.6	0.6	0.0
3-Oct	72.9	0.4	1.4	-0.1	-23.7	18.0	14.6	0.6	0.0
4-Oct	73.3	0.4	1.6	-0.1	-24.7	17.0	14.5	0.6	0.0
5-Oct	73.8	0.4	1.3	0.0	-25.2	16.6	14.4	0.6	0.0
6-Oct	74.3	0.4	1.2	0.0	-26.2	15.4	14.4	0.6	0.0
7-Oct	74.8	0.5	1.0	0.0	-26.7	15.0	14.4	0.6	0.0
8-Oct	75.2	0.4	0.8	0.0	-27.5	14.2	14.4	0.6	0.0
9-Oct	75.7	0.4	1.0	0.0	-27.6	14.0	14.4	0.6	0.0
10-Oct	76.1	0.4	0.6	0.0	-28.5	13.2	14.3	0.6	0.0
11-Oct	76.5	0.4	0.6	0.0	-29.4	12.4	14.3	0.6	0.0
12-Oct	77.0	0.4	0.5	0.0	-30.1	11.6	14.2	0.6	0.0
13-Oct	77.4	0.3	0.4	0.0	-27.6	14.1	14.2	0.6	0.0
14-Oct	77.8	0.4	0.4	0.0	-28.4	13.3	14.2	0.6	0.0
15-Oct	78.2	0.4	0.4	0.0	-27.6	14.0	14.2	0.5	0.0
16-Oct	78.6	0.4	0.2	0.0	-28.3	13.4	14.1	0.5	0.0
17-Oct	79.1	0.3	0.2	0.0	-28.3	13.4	14.1	0.5	0.0
18-Oct	79.6	0.3	0.2	0.0	-28.8	12.9	14.0	0.5	0.0
19-Oct	80.0	0.3	0.1	0.0	-29.0	12.8	14.0	0.5	0.0
20-Oct	80.4	0.3	0.1	0.0	-29.4	12.3	14.0	0.5	0.0
21-Oct	80.9	0.3	0.1	0.0	-30.2	11.6	14.0	0.5	0.0
22-Oct	81.4	0.3	0.1	0.0	-30.8	10.9	14.1	0.6	0.0
23-Oct	81.8	0.3	0.1	0.0	-31.4	10.2	14.1	0.5	0.0
24-Oct	82.2	0.3	0.1	0.0	-32.0	9.6	14.1	0.5	0.0
25-Oct	82.6	0.3	0.1	0.0	-32.7	9.0	14.1	0.5	0.0
26-Oct	83.1	0.3	0.1	0.0	-33.2	8.5	14.1	0.6	0.0
27-Oct	83.5	0.3	0.1	0.0	-33.7	8.0	14.2	0.6	0.0
28-Oct	84.0	0.3	0.1	0.0	-34.2	7.6	14.2	0.6	0.0
29-Oct	84.5	0.3	0.1	0.0	-34.6	7.1	14.2	0.5	0.0
30-Oct	84.9	0.2	0.1	0.0	-34.9	6.8	14.2	0.5	0.0
31-Oct	85.4	0.3	0.1	0.0	-35.0	6.8	14.2	0.5	0.0
1-Nov	85.8	0.2	0.1	0.0	-35.2	6.4	14.3	0.5	0.0
2-Nov	86.3	2.6	0.1	0.0	-37.8	3.9	14.3	0.5	0.0
3-Nov	86.8	0.9	0.1	0.0	-38.0	3.6	14.4	0.4	0.0
4-Nov	87.8	0.8	0.1	0.0	-37.2	4.6	14.4	0.5	0.0
5-Nov	89.1	0.7	0.1	0.0	-35.7	6.0	14.3	0.5	0.0
6-Nov	90.0	0.6	0.1	0.0	-36.3	5.4	14.3	0.5	0.0
7-Nov	90.0	0.6	0.1	0.0	-38.0	3.6	14.3	0.4	0.0
8-Nov	90.0	0.6	0.1	0.0	-37.8	3.8	14.3	0.4	0.0
9-Nov	90.0	0.6	0.1	0.0	-38.4	3.3	14.3	0.4	0.0
10-Nov	90.0	0.5	0.1	0.0	-38.8	3.0	14.3	0.4	0.0
11-Nov	90.0	0.2	0.1	0.0	-38.3	3.4	14.3	0.4	0.0
12-Nov	90.0	0.5	0.1	0.0	-38.3	3.4	14.3	0.4	0.0
13-Nov	90.0	0.5	0.1	0.0	-39.0	2.8	14.3	0.4	0.0
14-Nov	90.0	0.4	0.1	0.0	-39.0	2.7	14.3	0.5	0.0
15-Nov	90.0	0.3	0.1	0.0	-39.6	2.1	14.3	0.4	0.0
16-Nov	90.0	0.4	0.1	0.0	-39.8	1.9	14.4	0.4	0.0
17-Nov	90.0	0.3	0.1	0.0	-39.2	2.5	14.4	0.4	0.0
18-Nov	90.0	0.4	0.1	0.0	-38.4	3.3	14.4	0.5	0.0
19-Nov	90.0	0.4	0.1	0.0	-39.7	2.0	14.4	0.5	0.0
20-Nov	90.0	0.5	0.1	0.0	-40.4	1.3	14.4	0.5	0.0
21-Nov	90.0	0.4	0.1	0.0	-40.6	1.0	14.4	0.4	0.0
22-Nov	90.0	0.4	0.1	0.0	-41.2	0.5	14.2	0.4	0.0
23-Nov	90.0	0.4	0.1	0.0	-41.7	0.0	14.4	0.4	0.0
24-Nov	90.0	0.2	0.1	0.0	-41.9	0.0	14.0	0.4	0.0
25-Nov	90.0	0.2	0.1	0.0	-41.4	0.4	14.0	0.4	0.0
26-Nov	90.0	0.3	0.1	0.0	-41.0	0.7	14.0	0.4	0.0
27-Nov	90.0	0.2	0.1	0.0	-43.0	0.0	13.9	0.4	0.0
28-Nov	90.0	0.2	0.1	0.0	-41.5	0.2	13.6	0.4	0.0
29-Nov	90.0	0.2	0.1	0.0	-40.6	1.2	13.4	0.4	0.0
30-Nov	90.0	0.3	0.1	0.0	-38.2	3.6	13.5	0.6	0.0
1-Dec	90.0	0.3	0.1	0.0	-32.1	9.6	12.3	0.6	0.0

2-Dec	90.0	0.3	0.1	0.0	-30.4	11.3	12.3	0.6	0.0
3-Dec	90.0	1.6	0.0	0.0	-26.4	15.3	12.3	0.5	0.0
4-Dec	90.0	0.6	0.0	0.0	-10.3	33.7	12.9	0.4	0.0
5-Dec	90.0	0.1	0.1	0.0	-46.4	0.0	13.5	0.4	0.0
6-Dec	90.0	0.1	0.1	0.0	-46.5	0.0	13.5	0.4	0.0

The water available to roots above the stress threshold is the amount of PAW (mm) above one third of the total water holding capacity of this soil. If the water values are below this stress threshold the water available to roots above the stress threshold will be negative.

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