



Crop Report

5-Jun-2024

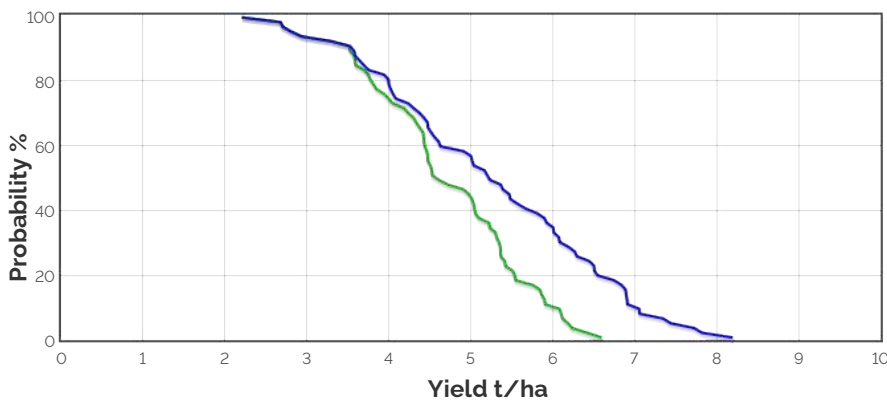
Andrew H Ware:
Cockaleecheie

Crop: Wheat
Cultivar: Vixen
Sowing details: 200 plants/m² on 1-Jun
Expected maturity date: 4-Dec

Paddock Details
Initial conditions date: 26-Feb
Soil: Clay Loam over Loamy Medium Clay (Yeelanna No590)
1200 mm max rooting depth
Stubble: 1500 kg/ha of Canola
No till

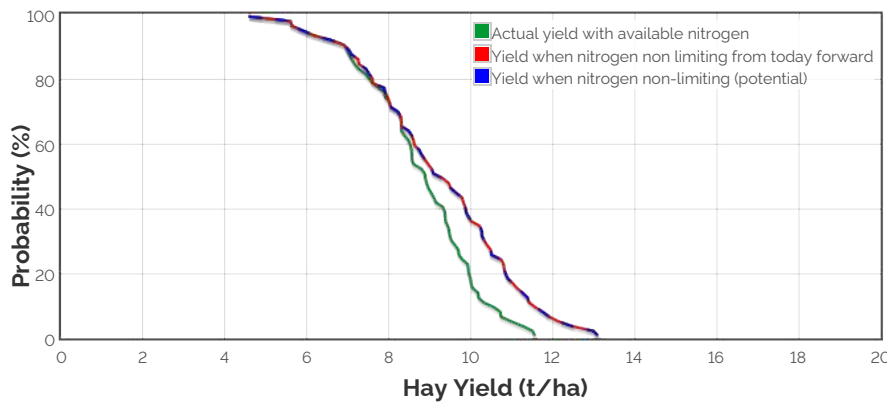
Grain Yield Outcome

- 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.

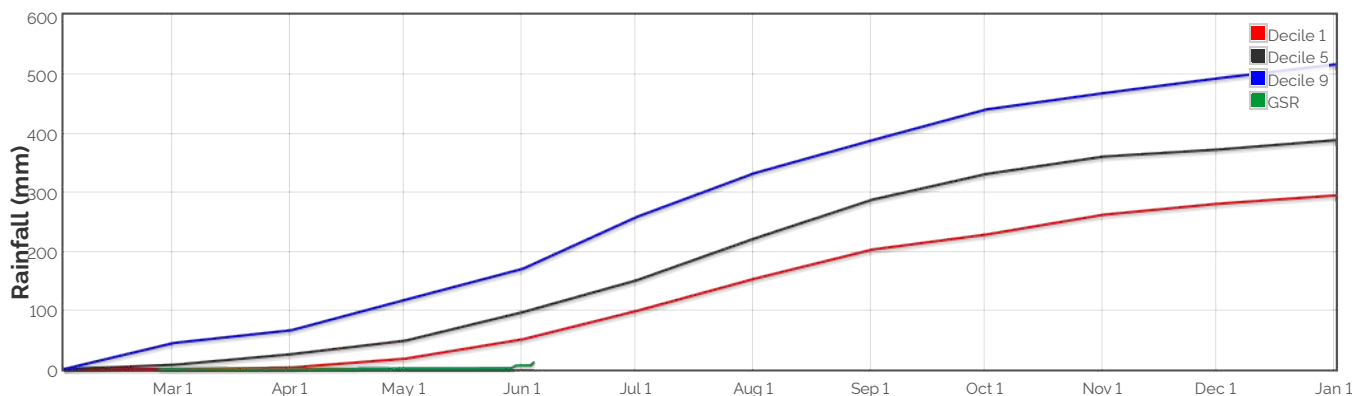
Hay Yield Outcome



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

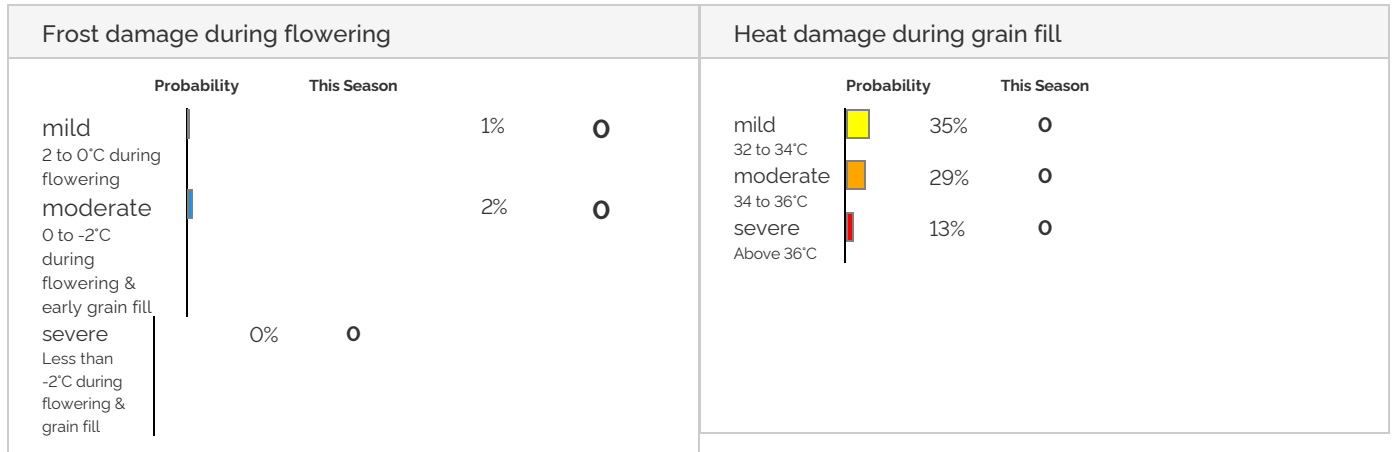
Earliest	16-Jun	22-Jun	30-Jun	11-Jul	21-Jul	30-Jul
Median	20-Jun	28-Jun	8-Jul	18-Jul	28-Jul	6-Aug
Latest	24-Jun	2-Jul	13-Jul	24-Jul	3-Aug	13-Aug



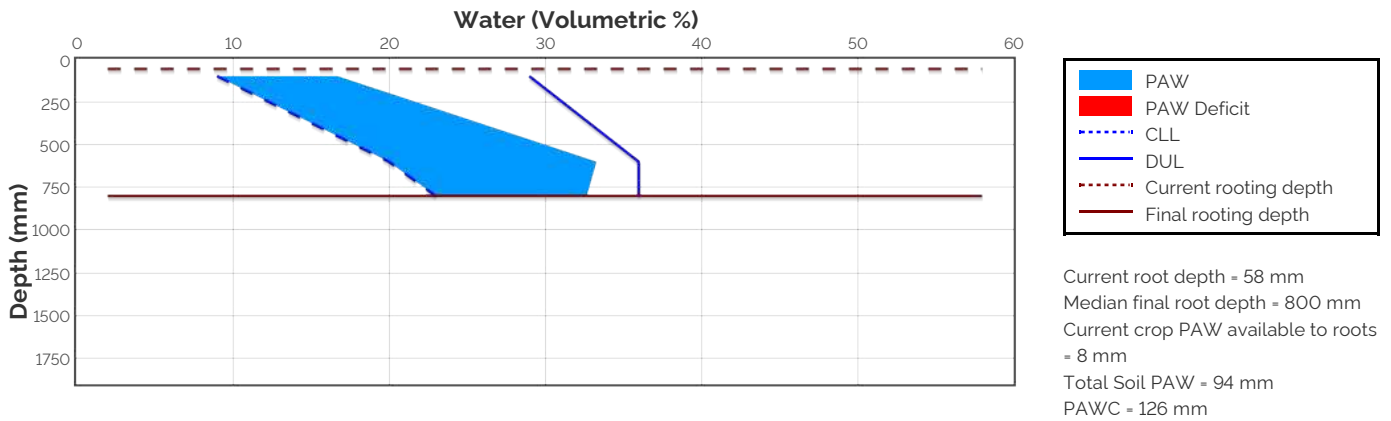
Predicted

Earliest	2-Aug	4-Aug	11-Aug	15-Aug	16-Aug	30-Aug	17-Sep	23-Sep	12-Oct
Median	10-Aug	12-Aug	19-Aug	23-Aug	24-Aug	7-Sep	27-Sep	2-Oct	20-Oct
Latest	16-Aug	19-Aug	26-Aug	1-Sep	2-Sep	16-Sep	4-Oct	11-Oct	29-Oct

Probability and Incidence of Frost and Heat Shock



Current Distribution of PAW

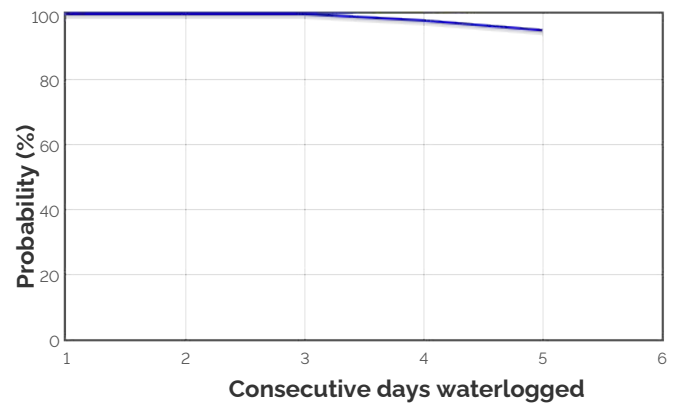


PAW = Plant Available Water
CLL = Crop Lower Limit or Wilting Point
DUL = Drained Upper Limit or Field Capacity
PAWC = Plant Available Water Capacity
Current Crop PAW = Soil water currently accessible to the roots down to the current rooting depth
Soil PAW = Total accessible soil water in the soil profile

Water Budget

Initial PAW status @ 26-Feb	98 mm
Rainfall since 26-Feb	12.5 mm
Irrigations	
Evaporation since 26-Feb	18 mm
Transpiration since 26-Feb	0 mm
Deep drainage since 26-Feb	0 mm
Run-off since 26-Feb	0 mm
Current PAW status:	94 mm

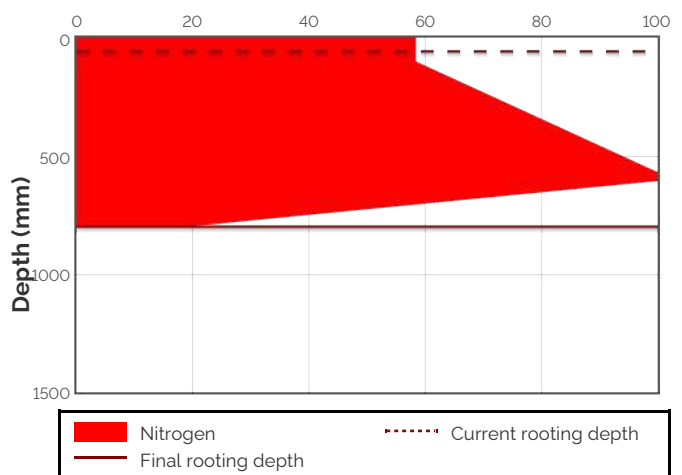
Probability of Future Waterlogging Events



Nitrogen Budget

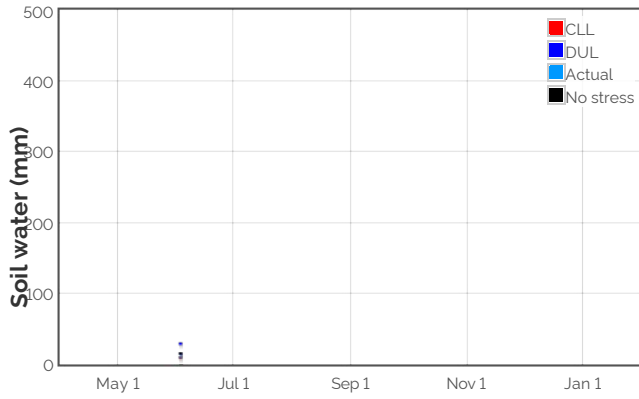
Initial N status @ 26-Feb	104 kg/ha
N mineralisation since 26-Feb	30 kg/ha
N tie up since 26-Feb	0 kg/ha
N applications	
7-May : 22 kg/ha	
Total N in plant	0 kg/ha
De-nitrification since 26-Feb	0 kg/ha
Leaching since 26-Feb	0 kg/ha
Current N status:	184 kg/ha
Median N mineralisation to maturity = 47.2958100548049 kg/ha	
Median N tie up to maturity = 0 kg/ha	

Current distribution of soil nitrogen (kg/ha)

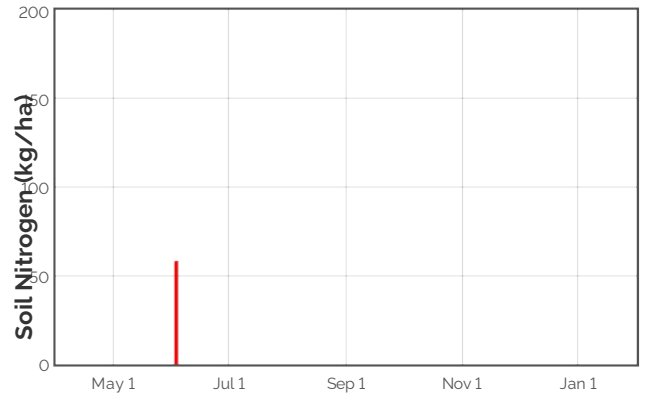


Current Crop Available N = 58 kg/ha
 Total Soil N = 184 kg/ha

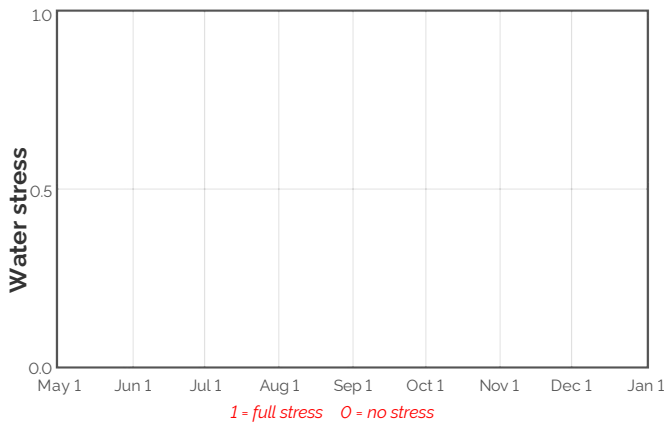
Availability of Water to Growing Roots



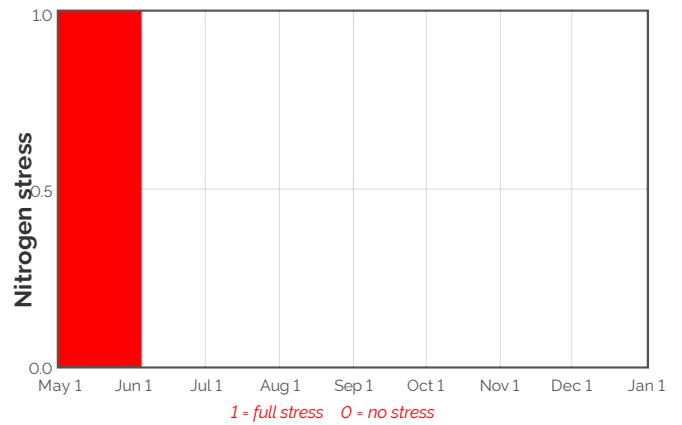
Availability of Soil Nitrogen to Growing Roots



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)
26-Feb	9.0	0.3	0.0	0.0	-4.4	16	25.8	0.4	0.0
27-Feb	9.0	0.3	0.0	0.0	-4.6	14	26.7	0.4	0.0
28-Feb	9.0	0.3	0.0	0.0	-4.7	13	27.4	0.4	0.0
29-Feb	9.0	0.3	0.0	0.0	-4.8	12	27.9	0.4	0.0
1-Mar	9.0	0.3	0.0	0.0	-5.0	1.0	28.4	0.4	0.0
2-Mar	9.0	0.3	0.0	0.0	-5.1	0.9	28.8	0.4	0.0
3-Mar	9.0	0.3	0.0	0.0	-5.2	0.8	29.1	0.4	0.0
4-Mar	9.0	0.2	0.0	0.0	-5.3	0.7	29.3	0.4	0.0
5-Mar	9.0	0.2	0.0	0.0	-5.5	0.5	29.5	0.4	0.0
6-Mar	9.0	0.2	0.0	0.0	-5.6	0.4	29.7	0.4	0.0
7-Mar	9.0	0.2	0.0	0.0	-5.7	0.3	29.8	0.4	0.0
8-Mar	9.0	0.2	0.0	0.0	-5.8	0.2	29.9	0.4	0.0
9-Mar	9.0	0.2	0.0	0.0	-5.9	0.1	30.0	0.4	0.0
10-Mar	9.0	0.2	0.0	0.0	-6.0	0.0	30.0	0.4	0.0
11-Mar	9.0	0.2	0.0	0.0	-6.2	0.0	30.1	0.4	0.0
12-Mar	9.0	0.2	0.0	0.0	-6.3	0.0	30.1	0.4	0.0
13-Mar	9.0	0.2	0.0	0.0	-6.4	0.0	30.1	0.4	0.0
14-Mar	9.0	0.2	0.0	0.0	-6.5	0.0	30.2	0.4	0.0
15-Mar	9.0	0.2	0.0	0.0	-6.6	0.0	30.2	0.4	0.0
16-Mar	9.0	0.2	0.0	0.0	-6.7	0.0	30.3	0.4	0.0
17-Mar	9.0	0.2	0.0	0.0	-6.8	0.0	30.3	0.3	0.0
18-Mar	9.0	0.2	0.0	0.0	-6.9	0.0	30.4	0.3	0.0
19-Mar	9.0	0.2	0.0	0.0	-7.0	0.0	30.4	0.3	0.0
20-Mar	9.0	0.2	0.0	0.0	-7.1	0.0	30.5	0.3	0.0
21-Mar	9.0	0.2	0.0	0.0	-7.2	0.0	30.5	0.3	0.0
22-Mar	9.0	0.2	0.0	0.0	-7.3	0.0	30.6	0.3	0.0
23-Mar	9.0	0.2	0.0	0.0	-7.3	0.0	30.6	0.3	0.0
24-Mar	9.0	0.2	0.0	0.0	-7.4	0.0	30.7	0.3	0.0
25-Mar	9.0	0.2	0.0	0.0	-7.5	0.0	30.7	0.3	0.0
26-Mar	9.0	0.2	0.0	0.0	-7.6	0.0	30.8	0.3	0.0
27-Mar	9.0	0.2	0.0	0.0	-7.7	0.0	30.8	0.3	0.0

28-Mar	9.0	0.2	0.0	0.0	-7.8	0.0	30.9	0.3	0.0
29-Mar	9.0	0.2	0.0	0.0	-7.9	0.0	30.9	0.3	0.0
30-Mar	9.0	0.2	0.0	0.0	-7.9	0.0	31.0	0.3	0.0
31-Mar	9.0	0.2	0.0	0.0	-8.0	0.0	31.0	0.3	0.0
1-Apr	9.0	0.0	0.0	0.0	-7.9	0.0	31.1	0.3	0.0
2-Apr	9.0	0.1	0.0	0.0	-7.9	0.0	31.1	0.3	0.0
3-Apr	9.0	0.1	0.0	0.0	-7.9	0.0	31.2	0.3	0.0
4-Apr	9.0	0.1	0.0	0.0	-7.9	0.0	31.2	0.3	0.0
5-Apr	9.0	0.1	0.0	0.0	-7.9	0.0	31.3	0.3	0.0
6-Apr	9.0	0.1	0.0	0.0	-7.9	0.0	31.3	0.3	0.0
7-Apr	9.0	0.1	0.0	0.0	-7.9	0.0	31.4	0.3	0.0
8-Apr	9.0	0.1	0.0	0.0	-7.7	0.0	31.4	0.3	0.0
9-Apr	9.0	0.1	0.0	0.0	-7.6	0.0	31.5	0.3	0.0
10-Apr	9.0	0.1	0.0	0.0	-7.6	0.0	31.5	0.3	0.0
11-Apr	9.0	0.1	0.0	0.0	-7.6	0.0	31.6	0.3	0.0
12-Apr	9.0	0.1	0.0	0.0	-7.6	0.0	31.6	0.3	0.0
13-Apr	9.0	0.1	0.0	0.0	-7.6	0.0	31.7	0.3	0.0
14-Apr	9.0	0.1	0.0	0.0	-7.6	0.0	31.7	0.3	0.0
15-Apr	9.0	0.1	0.0	0.0	-7.6	0.0	31.8	0.3	0.0
16-Apr	9.0	0.1	0.0	0.0	-7.6	0.0	31.8	0.3	0.0
17-Apr	9.0	0.1	0.0	0.0	-7.6	0.0	31.9	0.3	0.0
18-Apr	9.0	0.1	0.0	0.0	-6.6	0.0	32.0	0.3	0.0
19-Apr	9.0	0.1	0.0	0.0	-6.6	0.0	32.0	0.3	0.0
20-Apr	9.0	0.1	0.0	0.0	-6.6	0.0	32.1	0.3	0.0
21-Apr	9.0	0.1	0.0	0.0	-6.6	0.0	32.1	0.3	0.0
22-Apr	9.0	0.1	0.0	0.0	-6.6	0.0	32.2	0.3	0.0
23-Apr	9.0	0.1	0.0	0.0	-6.5	0.0	32.2	0.3	0.0
24-Apr	9.0	0.1	0.0	0.0	-6.5	0.0	32.3	0.3	0.0
25-Apr	9.0	0.1	0.0	0.0	-6.5	0.0	32.3	0.3	0.0
26-Apr	9.0	0.1	0.0	0.0	-6.5	0.0	32.4	0.3	0.0
27-Apr	9.0	0.1	0.0	0.0	-6.5	0.0	32.4	0.3	0.0
28-Apr	9.0	0.1	0.0	0.0	-6.1	0.0	32.5	0.3	0.0
29-Apr	9.0	0.1	0.0	0.0	-6.1	0.0	32.5	0.3	0.0
30-Apr	9.0	0.1	0.0	0.0	-6.1	0.0	32.6	0.3	0.0
1-May	9.0	0.1	0.0	0.0	-6.1	0.0	32.6	0.3	0.0
2-May	9.0	0.1	0.0	0.0	-6.1	0.0	32.7	0.3	0.0
3-May	9.0	0.1	0.0	0.0	-6.1	0.0	32.7	0.3	0.0
4-May	9.0	0.1	0.0	0.0	-6.1	0.0	32.8	0.3	0.0
5-May	9.0	0.1	0.0	0.0	-6.1	0.0	32.9	0.3	0.0
6-May	9.0	0.1	0.0	0.0	-6.1	0.0	32.9	0.3	0.0
7-May	9.0	0.1	0.0	0.0	-6.1	0.0	55.0	0.3	0.0
8-May	9.0	0.1	0.0	0.0	-6.1	0.0	55.0	0.3	0.0
9-May	9.0	0.1	0.0	0.0	-6.1	0.0	55.1	0.3	0.0
10-May	9.0	0.1	0.0	0.0	-6.0	0.0	55.1	0.3	0.0
11-May	9.0	0.1	0.0	0.0	-6.0	0.0	55.2	0.2	0.0
12-May	9.0	0.1	0.0	0.0	-6.0	0.0	55.2	0.2	0.0
13-May	9.0	0.1	0.0	0.0	-6.0	0.0	55.3	0.2	0.0
14-May	9.0	0.1	0.0	0.0	-6.0	0.0	55.3	0.2	0.0
15-May	9.0	0.1	0.0	0.0	-6.0	0.0	55.4	0.2	0.0
16-May	9.0	0.1	0.0	0.0	-6.0	0.0	55.5	0.2	0.0
17-May	9.0	0.1	0.0	0.0	-6.0	0.0	55.5	0.2	0.0
18-May	9.0	0.1	0.0	0.0	-6.0	0.0	55.6	0.2	0.0
19-May	9.0	0.1	0.0	0.0	-6.0	0.0	55.6	0.2	0.0
20-May	9.0	0.1	0.0	0.0	-5.6	0.4	55.8	0.3	0.0
21-May	9.0	0.1	0.0	0.0	-5.6	0.4	55.9	0.3	0.0
22-May	9.0	0.1	0.0	0.0	-5.6	0.4	56.1	0.3	0.0
23-May	9.0	0.1	0.0	0.0	-5.6	0.4	56.3	0.3	0.0
24-May	9.0	0.1	0.0	0.0	-5.5	0.5	56.4	0.3	0.0
25-May	9.0	0.1	0.0	0.0	-5.5	0.5	56.6	0.3	0.0
26-May	9.0	0.1	0.0	0.0	-5.5	0.5	56.7	0.3	0.0
27-May	9.0	0.1	0.0	0.0	-5.5	0.5	56.9	0.3	0.0
28-May	9.0	0.1	0.0	0.0	-5.5	0.5	57.0	0.3	0.0
29-May	9.0	1.9	0.0	0.0	-3.5	2.5	57.4	0.4	0.0
30-May	9.0	0.6	0.0	0.0	-3.5	2.5	57.6	0.4	0.0
31-May	9.0	0.1	0.0	0.0	-3.5	2.5	57.8	0.3	0.0
1-Jun	9.0	0.1	0.0	0.0	-3.4	2.6	58.0	0.3	0.0
2-Jun	9.0	0.1	0.0	0.0	-3.4	2.6	58.2	0.3	0.0
3-Jun	9.0	1.2	0.0	0.0	1.7	7.7	58.3	0.3	0.0
4-Jun	9.0	1.2	0.0	0.0	1.4	7.4	58.4	0.3	0.0
5-Jun	9.0	0.8	0.0	0.0	1.0	7.0	58.5	0.3	0.0
6-Jun	9.0	0.2	0.0	0.0	1.0	7.0	58.5	0.3	0.0
7-Jun	9.0	0.1	0.0	0.0	1.0	7.0	58.4	0.3	0.0
8-Jun	9.0	0.1	0.0	0.0	1.0	7.0	58.2	0.3	0.0
9-Jun	9.0	0.1	0.0	0.0	1.0	7.0	58.1	0.3	0.0
10-Jun	9.0	0.1	0.0	0.0	1.1	7.1	58.0	0.3	0.0
11-Jun	10.0	0.1	0.0	0.0	1.8	7.8	58.0	0.3	0.0
12-Jun	10.1	0.1	0.0	-0.1	2.8	9.7	59.4	0.3	0.0
13-Jun	10.2	0.1	0.0	-0.1	4.0	11.6	62.1	0.3	0.0
14-Jun	10.3	0.1	0.0	0.0	5.4	13.7	65.6	0.3	0.0
15-Jun	10.5	0.1	0.0	0.0	6.7	15.9	69.1	0.3	0.0

16-Jun	10.7	0.2	0.0	0.0	9.4	19.2	74.2	0.3	0.0
17-Jun	10.8	0.4	0.0	0.0	11.6	22.9	77.7	0.3	0.0
18-Jun	11.0	0.6	0.0	0.0	13.2	25.3	80.7	0.3	0.0
19-Jun	11.1	0.7	0.0	-0.2	15.2	27.6	83.2	0.3	0.0
20-Jun	11.2	0.8	0.0	-0.2	17.9	31.2	86.2	0.3	0.0
21-Jun	11.3	0.7	0.0	-0.2	20.0	34.4	88.8	0.3	0.0
22-Jun	11.5	0.8	0.0	-0.2	23.4	38.2	90.4	0.3	0.0
23-Jun	11.6	0.8	0.0	-0.2	25.8	40.6	92.9	0.3	0.0
24-Jun	11.7	0.8	0.0	-0.2	27.8	44.2	95.3	0.3	0.0
25-Jun	11.8	0.8	0.1	-0.2	29.7	45.8	98.0	0.3	0.0
26-Jun	12.0	0.6	0.1	-0.2	32.2	49.0	101.0	0.3	0.0
27-Jun	12.1	0.8	0.1	-0.3	33.3	50.9	103.6	0.3	0.0
28-Jun	12.2	0.9	0.1	-0.3	36.2	54.1	106.0	0.3	0.0
29-Jun	12.3	1.1	0.1	-0.4	37.2	57.2	109.2	0.3	0.0
30-Jun	12.4	0.9	0.1	-0.4	40.0	60.6	112.1	0.3	0.0
1-Jul	12.5	0.9	0.1	-0.4	41.0	62.2	115.3	0.3	0.0
2-Jul	12.6	1.0	0.1	-0.4	44.0	64.8	117.9	0.3	0.0
3-Jul	12.7	0.9	0.1	-0.4	45.7	67.4	120.3	0.3	0.0
4-Jul	12.8	1.1	0.1	-0.5	49.0	72.3	122.4	0.3	0.0
5-Jul	12.9	1.0	0.1	-0.5	52.6	75.2	124.8	0.3	0.0
6-Jul	13.0	1.0	0.1	-0.6	53.7	76.9	128.0	0.3	0.0
7-Jul	13.1	0.9	0.1	-0.6	55.2	79.6	130.4	0.3	0.0
8-Jul	13.2	0.9	0.2	-0.7	55.8	81.4	132.0	0.3	0.0
9-Jul	13.3	0.9	0.2	-0.7	57.0	83.4	135.1	0.2	0.0
10-Jul	13.4	1.0	0.2	-0.7	59.2	87.2	137.4	0.2	0.0
11-Jul	13.4	1.0	0.2	-0.8	62.6	89.8	139.9	0.2	0.0
12-Jul	13.5	1.0	0.2	-1.0	63.5	91.2	142.6	0.2	0.0
13-Jul	13.6	1.0	0.2	-1.0	65.4	95.1	144.7	0.2	0.0
14-Jul	13.7	0.9	0.2	-1.1	66.0	96.6	147.0	0.2	0.0
15-Jul	13.8	0.9	0.3	-1.2	68.2	98.7	149.2	0.2	0.0
16-Jul	13.9	1.0	0.3	-1.4	68.8	99.4	150.4	0.2	0.0
17-Jul	14.0	1.0	0.4	-1.4	70.0	101.6	150.8	0.2	0.0
18-Jul	14.2	0.9	0.4	-1.5	72.7	105.1	150.1	0.2	0.0
19-Jul	14.2	0.9	0.4	-1.6	73.0	105.8	151.2	0.2	0.0
20-Jul	14.3	0.9	0.5	-1.8	74.1	107.2	150.9	0.2	0.0
21-Jul	14.4	0.8	0.4	-1.7	74.8	109.4	150.4	0.2	0.0
22-Jul	14.5	0.8	0.5	-1.8	76.1	110.8	149.5	0.2	0.0
23-Jul	14.6	0.8	0.5	-2.2	78.6	113.2	149.1	0.2	0.0
24-Jul	14.7	0.8	0.6	-2.2	79.0	114.8	148.0	0.2	0.0
25-Jul	14.8	0.7	0.6	-2.3	79.4	115.3	146.8	0.2	0.0
26-Jul	15.0	0.8	0.7	-2.4	79.6	115.8	145.9	0.2	0.0
27-Jul	15.1	0.7	0.7	-2.6	81.5	118.6	144.6	0.2	0.0
28-Jul	15.2	0.7	0.7	-2.7	83.0	119.8	142.2	0.2	0.0
29-Jul	15.3	0.7	0.8	-3.0	83.0	119.6	139.6	0.2	0.0
30-Jul	15.4	0.7	0.9	-3.1	83.2	120.4	136.6	0.2	0.0
31-Jul	15.5	0.6	0.9	-3.0	82.6	119.8	133.4	0.2	0.0
1-Aug	15.6	0.6	0.9	-3.1	83.5	121.3	130.2	0.2	0.0
2-Aug	15.7	0.6	1.0	-3.4	85.0	122.8	126.5	0.2	0.0
3-Aug	15.8	0.6	1.0	-3.4	84.1	121.9	124.0	0.2	0.0
4-Aug	15.9	0.6	1.0	-3.4	83.7	121.5	120.0	0.2	0.0
5-Aug	16.0	0.6	1.0	-3.4	83.6	121.4	116.0	0.2	0.0
6-Aug	16.0	0.6	1.2	-3.7	83.4	121.2	111.7	0.2	0.0
7-Aug	16.0	0.6	1.2	-3.9	83.1	120.8	108.4	0.2	0.0
8-Aug	16.0	0.5	1.2	-3.8	82.0	119.8	104.8	0.2	0.0
9-Aug	30.7	0.5	1.1	-3.6	80.9	118.7	101.2	0.2	0.0
10-Aug	30.9	0.5	1.3	-3.7	82.5	120.3	97.8	0.2	0.0
11-Aug	31.1	0.5	1.3	-3.7	82.0	119.8	93.3	0.2	0.0
12-Aug	31.2	0.5	1.4	-3.6	81.2	119.0	89.2	0.2	0.0
13-Aug	31.4	0.5	1.4	-3.6	80.2	118.0	85.9	0.2	0.0
14-Aug	31.6	0.5	1.5	-3.8	81.1	118.8	81.8	0.2	0.0
15-Aug	31.7	0.5	1.6	-3.6	80.3	118.1	78.1	0.2	0.0
16-Aug	31.7	0.5	1.6	-3.4	80.3	118.1	75.3	0.2	0.0
17-Aug	31.9	0.5	1.7	-3.2	80.0	117.8	72.0	0.2	0.0
18-Aug	32.8	0.5	1.7	-3.0	79.6	117.4	69.1	0.2	0.0
19-Aug	32.9	0.5	1.7	-2.7	80.2	118.0	65.9	0.2	0.0
20-Aug	34.2	0.5	1.8	-2.7	79.2	117.0	63.6	0.2	0.0
21-Aug	36.3	0.5	1.8	-2.4	79.4	117.2	60.9	0.2	0.0
22-Aug	38.2	0.5	2.0	-2.1	77.7	115.5	57.6	0.2	0.0
23-Aug	39.0	0.4	1.8	-1.7	76.3	114.1	55.0	0.2	0.0
24-Aug	39.4	0.5	2.0	-1.8	74.8	112.6	53.2	0.2	0.0
25-Aug	39.8	0.5	2.0	-1.8	75.2	113.0	52.4	0.2	0.0
26-Aug	40.2	0.5	2.2	-1.9	73.9	111.7	51.7	0.2	0.0
27-Aug	40.7	0.5	2.2	-1.8	71.7	109.5	50.4	0.2	0.0
28-Aug	41.0	0.5	2.1	-1.6	68.4	106.2	48.2	0.2	0.0
29-Aug	41.5	0.5	2.2	-1.6	67.7	105.5	46.0	0.2	0.0
30-Aug	42.0	0.5	1.9	-1.5	66.8	104.6	44.0	0.2	0.0
31-Aug	42.4	0.5	2.1	-1.4	66.2	104.0	41.8	0.2	0.0
1-Sep	43.0	0.5	2.0	-1.5	63.8	101.6	39.8	0.2	0.0
2-Sep	43.4	0.5	2.1	-1.5	64.4	102.2	38.2	0.2	0.0
3-Sep	43.8	0.5	2.2	-1.6	64.9	102.7	37.0	0.2	0.0

4-Sep	44.2	0.5	2.2	-1.4	62.6	100.4	35.8	0.2	0.0
5-Sep	44.7	0.5	2.0	-1.3	60.9	98.7	34.8	0.2	0.0
6-Sep	45.2	0.6	2.3	-1.3	58.8	96.6	33.2	0.2	0.0
7-Sep	45.7	0.5	2.3	-1.2	57.2	95.0	32.3	0.2	0.0
8-Sep	46.2	0.6	2.2	-1.1	55.7	93.5	31.9	0.3	0.0
9-Sep	46.7	0.6	2.5	-1.0	53.6	91.4	31.4	0.2	0.0
10-Sep	47.2	0.5	2.1	-0.9	53.0	90.8	30.8	0.3	0.0
11-Sep	47.7	0.6	2.3	-0.9	52.0	89.8	29.5	0.2	0.0
12-Sep	48.1	0.5	2.2	-0.8	50.2	88.1	28.7	0.2	0.0
13-Sep	48.6	0.6	2.6	-0.8	48.4	86.2	28.2	0.2	0.0
14-Sep	49.0	0.6	2.6	-0.7	47.7	85.5	27.8	0.3	0.0
15-Sep	49.7	0.6	2.2	-0.7	48.0	85.8	27.5	0.2	0.0
16-Sep	50.2	0.6	2.7	-0.6	45.5	83.3	27.2	0.3	0.0
17-Sep	50.6	0.6	2.4	-0.6	42.8	80.6	26.9	0.3	0.0
18-Sep	51.1	0.6	2.5	-0.6	40.0	77.8	26.5	0.3	0.0
19-Sep	51.6	0.7	2.7	-0.6	38.7	76.4	26.0	0.2	0.0
20-Sep	52.0	0.6	2.7	-0.6	36.2	74.0	25.5	0.2	0.0
21-Sep	52.6	0.6	2.8	-0.5	34.6	72.4	24.9	0.3	0.0
22-Sep	53.2	0.6	2.3	-0.5	32.0	69.8	24.4	0.3	0.0
23-Sep	53.8	0.6	2.4	-0.5	29.9	67.7	24.0	0.3	0.0
24-Sep	54.4	0.6	2.4	-0.4	28.6	66.4	23.5	0.2	0.0
25-Sep	54.9	0.6	2.6	-0.4	26.6	64.4	23.2	0.3	0.0
26-Sep	56.7	0.6	2.7	-0.4	25.2	63.0	22.8	0.3	0.0
27-Sep	58.4	0.6	2.7	-0.4	23.2	61.0	22.5	0.2	0.0
28-Sep	60.4	0.6	2.6	-0.4	20.8	58.6	22.5	0.3	0.0
29-Sep	62.0	0.6	2.8	-0.4	21.1	58.9	22.5	0.3	0.0
30-Sep	63.7	0.5	2.7	-0.4	18.6	56.4	22.4	0.3	0.0
1-Oct	65.1	0.6	2.6	-0.4	16.8	54.6	22.3	0.3	0.0
2-Oct	65.8	0.6	2.7	-0.3	15.0	52.8	22.3	0.3	0.0
3-Oct	66.6	0.6	2.8	-0.3	12.8	50.6	22.1	0.3	0.0
4-Oct	67.4	0.6	2.8	-0.3	11.1	48.9	21.9	0.3	0.0
5-Oct	68.2	0.5	3.0	-0.3	10.0	47.8	21.8	0.3	0.0
6-Oct	68.9	0.6	2.8	-0.3	11.9	49.7	21.6	0.3	0.0
7-Oct	69.6	0.6	2.9	-0.3	10.8	48.6	21.6	0.3	0.0
8-Oct	70.3	0.7	3.0	-0.3	9.3	47.1	21.6	0.3	0.0
9-Oct	70.8	0.6	2.8	-0.3	7.4	45.2	21.6	0.3	0.0
10-Oct	71.3	0.6	2.6	-0.3	6.5	44.3	21.6	0.3	0.0
11-Oct	71.8	0.6	2.6	-0.3	4.8	42.6	21.6	0.3	0.0
12-Oct	72.2	0.6	2.5	-0.2	3.0	40.8	21.6	0.3	0.0
13-Oct	72.6	0.6	2.8	-0.2	1.7	39.5	21.6	0.3	0.0
14-Oct	73.0	0.6	2.7	-0.2	1.1	38.9	21.6	0.3	0.0
15-Oct	73.4	0.6	2.5	-0.2	-0.6	37.2	21.6	0.3	0.0
16-Oct	73.8	0.6	2.4	-0.2	-1.2	36.6	21.6	0.3	0.0
17-Oct	74.4	0.6	2.3	-0.2	-2.3	35.5	21.6	0.3	0.0
18-Oct	74.8	0.6	2.2	-0.2	-1.6	36.2	21.5	0.3	0.0
19-Oct	75.4	0.6	2.2	-0.2	-2.9	34.9	21.5	0.3	0.0
20-Oct	75.8	0.6	2.5	-0.2	-5.0	32.8	21.4	0.3	0.0
21-Oct	76.1	0.4	2.0	-0.2	-4.2	33.6	21.4	0.3	0.0
22-Oct	76.6	0.4	2.0	-0.2	-5.6	32.2	21.4	0.3	0.0
23-Oct	77.0	0.4	1.8	-0.2	-7.0	30.8	21.4	0.3	0.0
24-Oct	77.6	0.4	1.6	-0.2	-8.0	29.8	21.4	0.3	0.0
25-Oct	78.0	0.4	1.6	-0.2	-9.0	28.8	21.4	0.3	0.0
26-Oct	78.5	0.4	1.4	-0.1	-9.1	28.7	21.4	0.3	0.0
27-Oct	79.0	0.4	1.0	-0.1	-10.0	27.8	21.4	0.3	0.0
28-Oct	79.5	0.3	0.8	-0.1	-10.6	27.2	21.4	0.3	0.0
29-Oct	80.0	0.3	0.7	-0.1	-11.6	26.2	21.4	0.3	0.0
30-Oct	80.4	0.3	0.4	-0.1	-12.1	25.6	21.4	0.3	0.0
31-Oct	80.8	0.4	0.4	-0.1	-13.2	24.5	21.4	0.2	0.0
1-Nov	81.2	0.3	0.3	-0.1	-14.2	23.6	21.4	0.3	0.0
2-Nov	81.7	1.8	0.2	-0.1	-16.6	21.2	21.5	0.2	0.0
3-Nov	82.2	1.6	0.2	-0.1	-17.5	20.3	21.6	0.2	0.0
4-Nov	82.6	1.0	0.1	0.0	-16.2	21.6	21.6	0.2	0.0
5-Nov	83.1	0.8	0.1	0.0	-17.5	20.3	21.7	0.2	0.0
6-Nov	83.6	0.8	0.1	0.0	-18.2	19.6	21.8	0.2	0.0
7-Nov	84.1	0.8	0.1	0.0	-18.8	19.0	21.8	0.2	0.0
8-Nov	84.6	0.6	0.1	0.0	-19.0	18.8	21.8	0.2	0.0
9-Nov	85.1	0.6	0.1	0.0	-19.4	18.4	21.8	0.2	0.0
10-Nov	85.6	0.6	0.1	0.0	-20.2	17.6	22.0	0.2	0.0
11-Nov	86.2	0.6	0.1	0.0	-20.6	17.2	22.0	0.2	0.0
12-Nov	86.6	0.1	0.1	0.0	-21.0	16.8	22.2	0.2	0.0
13-Nov	87.2	0.4	0.0	0.0	-21.4	16.4	22.2	0.2	0.0
14-Nov	88.6	0.0	0.0	0.0	-21.4	16.5	22.3	0.2	0.0
15-Nov	90.0	0.0	0.0	0.0	-21.5	16.2	22.4	0.2	0.0
16-Nov	90.0	0.0	0.1	0.0	-21.8	16.0	22.5	0.2	0.0
17-Nov	90.0	0.0	0.1	0.0	-21.2	16.6	22.6	0.2	0.0
18-Nov	90.0	0.0	0.1	0.0	-20.5	17.4	22.6	0.2	0.0
19-Nov	90.0	0.2	0.0	0.0	-21.4	16.4	22.7	0.2	0.0
20-Nov	90.0	0.0	0.0	0.0	-21.6	16.2	22.8	0.2	0.0
21-Nov	90.0	0.2	0.0	0.0	-21.8	16.0	22.9	0.2	0.0
22-Nov	90.0	0.0	0.0	0.0	-22.4	15.4	23.0	0.2	0.0

23-Nov	90.0	0.0	0.0	0.0	-22.5	15.3	23.1	0.2	0.0
24-Nov	90.0	0.0	0.1	0.0	-22.6	15.2	23.2	0.2	0.0
25-Nov	90.0	0.0	0.0	0.0	-22.5	15.3	23.2	0.2	0.0
26-Nov	90.0	0.0	0.0	0.0	-22.2	15.6	23.3	0.2	0.0
27-Nov	90.0	0.0	0.0	0.0	-22.7	15.1	23.3	0.2	0.0
28-Nov	90.0	0.0	0.0	0.0	-22.6	15.2	23.2	0.2	0.0
29-Nov	90.0	0.0	0.0	0.0	-22.4	15.4	23.0	0.2	0.0
30-Nov	90.0	0.4	0.1	0.0	-22.5	15.3	23.4	0.2	0.0
1-Dec	90.0	0.0	0.0	0.0	-23.1	14.7	22.6	0.2	0.0
2-Dec	90.0	0.0	0.0	0.0	-22.5	15.3	22.6	0.2	0.0
3-Dec	90.0	0.0	0.0	0.0	-22.5	15.3	22.4	0.2	0.0
4-Dec	90.0	0.0	0.0	0.0	-20.5	17.4	22.3	0.2	0.0
5-Dec	90.0	0.0	0.0	0.0	-20.2	17.6	22.0	0.2	0.0
6-Dec	90.0	0.2	0.0	0.0	-18.8	19.0	22.0	0.2	0.0
7-Dec	90.0	0.0	0.1	0.0	-18.7	19.1	22.2	0.2	0.0
8-Dec	90.0	0.0	0.0	0.0	-21.1	16.7	21.6	0.2	0.0
9-Dec	90.0	0.5	0.0	0.0	-14.4	23.4	21.8	0.2	0.0
10-Dec	90.0	0.7	0.0	0.0	-8.6	29.2	21.3	0.2	0.0
11-Dec	90.0	0.0	0.1	0.0	-25.8	12.0	21.2	0.2	0.0
12-Dec	90.0	1.2	0.0	0.0	-22.9	14.9	18.2	0.2	0.0
13-Dec	90.0	2.3	0.0	0.0	-11.3	26.5	18.3	0.3	0.0
14-Dec	90.0	2.7	0.0	0.0	-13.8	24.0	18.4	0.3	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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