

Species: ACHY  
Temp range: 5-25oC  
DayHr: 12

PI: Martyn  
Project: SA Species  
Planted: Jul 22 2025 @ 1830

Date 7/28/13

### **SA Levels/Codes**

Control =

6

0.5 mM  $\pi$

1 / flow

### **Start Time**

1343

Planted: Jul 22 2025 @ 1830

Name: TEM

Water =

1

• 1

## End Time

53

132

#### **Codes:**

- 0 no radicle or coleoptile emergence
  - 1 first instance of radicle emergence (must be used and can only use once)
  - 2 radicle 1-5mm long
  - 3 radicle 6-10mm
  - 4 radicle 10-20mm
  - 5 radicle >20mm

- 6 coleoptile emergence (must be used and can only use once)
  - 7 coleoptile length 0-10mm
  - 8 coleoptile length 10-20mm
  - 9 coleoptile >20mm

Enter 1st yr Reg & auto people  
in reflect.

## Notes:

Species: ACHY  
Temp range: 5-25°C  
DayHr: 12

PI: Martyn  
Project: SA Species  
Planted: Jul 22 2025 @ 1830

Date 7/27/25  
Name TCM

## SA Levels/Codes

Control = C 0.5mM = L (low)  
Water = W 1.0mM = H (high)

Start Time 1327  
End Time 1511

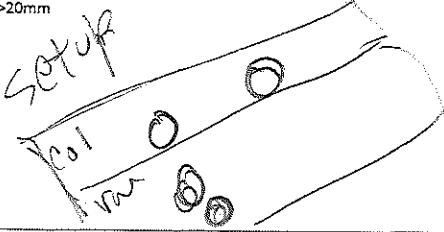
1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14		
1		O	C	O	W	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W		
2		O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H
3		O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W
4		O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H
5		O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W
6		O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H
7		O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W
8		O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H
9		O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W
10		O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H
11		O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W
12		O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H
13		O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W
14		O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H

## Codes:

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- 7 coleoptile length 0-10mm
- 8 coleoptile length 10-20mm
- 9 coleoptile >20mm

## Notes:



end time *not re-end*  
*not until*

Species: ACHY  
Temp range: 5-25°C  
DayHr: 12

PI: Martyn  
Project: SA Species  
Planted: Jul 22 2025 @ 1830

Date 7/26/25

Start Time 1341

Name JM

End Time 1606

SA Levels/Codes

Control = C

Water = W

0.5mM = H

1.0mM = L (low)

H (high)

1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14
1																											
1	O	W	O	T	O	W	O	T	O	W	O	H	H	O	W	O	T	O	W	O	T	O	W	O	H	H	
2	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O
3	O	W	O	T	O	W	O	T	O	W	O	H	H	O	W	O	T	O	W	O	T	O	W	O	H	H	
4	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O
5	O	W	O	T	O	W	O	T	O	W	O	H	H	O	W	O	T	O	W	O	T	O	W	O	H	H	
6	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O
7	O	W	O	T	O	W	O	T	O	W	O	H	H	O	W	O	T	O	W	O	T	O	W	O	H	H	
8	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O
9	O	W	O	A	O	W	O	T	O	W	O	H	H	O	W	O	T	O	W	O	T	O	W	O	H	H	
10	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O
11	O	W	O	K	O	W	O	T	O	W	O	H	H	O	W	O	T	O	W	O	T	O	W	O	H	H	
12	O	C	O	V	O	C	O	V	O	C	O	V	O	C	O	L	O	C	O	L	O	C	O	L	O	C	O
13	O	W	O	H	O	W	O	X	O	W	O	H	H	O	W	O	H	O	W	O	H	O	W	O	H	H	
14	O	C	O	L	O	C	O	L	O	C	O	V	V	O	C	O	V	O	C	O	V	O	C	O	V	O	

Codes:

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- 5 radicle >20mm

- 6 coleoptile emergence (must be used and can only use once)
- 7 coleoptile length 0-10mm
- 8 coleoptile length 10-20mm
- 9 coleoptile >20mm

Notes:

full sun

soil surface

mswe  
dry area tape on  
sun board

Species: ACHY  
Temp range: 5-25oC  
DayHr: 12

PI: Martyn  
Project: SA Species  
Planted: Jul 22 2025 @ 1830

Date 7/25/25

Start Time 12:05

Name MTH

End Time 1:40

SA Levels/Codes

Control = C

0.5mM =

L (low)

Water = W

1.0mM =

H (high)

1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14		
1	OH OH			OL	OH	OL	OH	OL				OH	OL	OL	OH	OL	OL												
1	OH OH											OH	OL	OH	OL	OH	OL	OL	OH	OL	OL	OL	OL	OL	OL	OL	OL	OL	
2	OW OW											OW	OC																
2	OW OW											OW	OC																
3												OH	OL	OL	OL	OL	OL	OL	OL										
3	OH OH											OH	OL	OL	OL	OL	OL	OL	OL	OL	OL								
4												OW	OC																
4	OW OC											OW	OC																
5												OH OH	OL	OH	OL	OH	OL	OH	OL	a	OH								
5	OH OH											OH	OL	OH	OL	OH	OL	OH	OL	a	OH								
6												OW	OC																
6	OW OC											OW	OC																
7												OH	OL																
7	OH OH											OH	OL																
8												OW	OC																
8	OW OC											OW	OC																
9												OH OH	OL																
9	OH OH											OH	OL																
10												OW	OC																
10	OW OC											OW	OC																
11												OH	OL																
11	OH OH											OH	OL																
12												OW	OC																
12	OW OC											OW	OC																
13												OH	OL																
13	OH OH											OH	OL																
14												OW	OC																
14	OW OC											OW	OC																

Codes:

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- 5 radicle >20mm

- 6 coleoptile emergence (must be used and can only use once)
- 7 coleoptile length 0-10mm
- 8 coleoptile length 10-20mm
- 9 coleoptile >20mm

not sure about  
this section, change if  
needed

dark  
check

Notes:

Species: ACHY  
Temp range: 5-25oC  
DayHr. 12

Pl: Martyn  
Project: SA Species  
Planted: Jul 22 2025 @ 1830

Date 7/24/25

Start Time 13:40 pm

Name MH

End Time 15:58 pm

SA Levels/Codes  
Control = C 0.5MM = L (low)  
Water = W 1.0MM = H (high)

	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	
1	OL	OC	A	OC	OL	OC																							
1	OH	OH	ON	OW																									
2	OH	OH	OW	OW	OT	OW																							
3	OL	OC																											
4	OH	OW																											
4	OH	OW	OW	OW	OT	OW																							
5	OL	OC																											
6	OH	OH																											
6	OH	OW	OH	OW	OT	OW																							
7	OL	OC																											
7	OL	OC																											
8	OL	OW	OL	OW	OT	OW																							
8	OL	OW	OT	OW																									
9	OL	OC																											
9	OL	OC																											
10	OT	OW	OH	OH																									
10	OT	OW	OH	OH	OW	OT	OH	OH	OW	OT	OH	OH	OW	OT	OH	OH													
11	OL	OC	OL	OL	OL	OC																							
11	OL	OC	OL	OL	OL	OC																							
12	OT	OW																											
12	OT	OW																											
13	OL	OC	CC																										
13	OL	OC	CC	OL	OC																								
14	OH	ON	OT																										
14	OH	ON	OT																										
14	ON	X	OT																										
14	OT	OW	OT																										

Codes:

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Notes:

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Temp range: 5-25oC  
DayHr: 12

PI: Martyn  
Project: SA Species  
Planted: Jul 22 2025 @ 1830

Date 7/23/2025

SA Levels/Codes

Control = C 0.5MM = L (low)  
Water = W 1.0MM = H (high)

Start Time 1419

End Time 1620

Name TEM

Stems →

1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14
1	OC	OW	OW	OC	OW																						
1	OW	OW	OW	OC	OW																						
2	OL	OH	OH	OL	OH																						
2	OH	OH	OH	OL	OH																						
3	OC	OW																									
3	OW	OC	OW																								
4	OL	OH																									
4	OH	OH	OL	OH																							
5	OC	OW																									
5	OW	OC	OW																								
6	OL	OH																									
6	OH	OH	OL	OH																							
7	OC	OW																									
7	OW	OC	OW																								
8	OL	OH																									
8	OH	OH	OL	OH																							
9	OL	OW	OC	OW																							
9	OW	OC	OW																								
10	OL	OH																									
10	OH	OH	OL	OH																							
11	OC	OW																									
11	OW	OC	OW																								
12	OL	OH																									
12	OH	OH	OL	OH																							
13	OC	OW																									
13	OW	OC	OW																								
14	OL	OH																									
14	OH	OH	OL	OH																							

Codes:

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- 1 first instance of radicle emergence (must be used and can only use once)
- 2 radicle 1-5mm long
- 3 radicle 6-10mm
- 4 radicle 10-20mm
- 5 radicle >20mm

- 6 coleoptile emergence (must be used and can only use once)
- 7 coleoptile length 0-10mm
- 8 coleoptile length 10-20mm
- 9 coleoptile >20mm

NIGHT →

missing  
not planned

Notes:

Check all my 0/1? if not easily visible on 7/24 change  
these 7/23 values to Ø.

scan sheets daily to my  
email using office printer