

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

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

Date 7/29/25
Name Tom

SA Levels/Codes

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

Start Time 1402
End Time 1524

	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	H	O	V	G	H	O	V	O	H	O	V	O	H	O	V	O	H	O	V	O	H	O	L				
2	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W				
3	O	H	O	V	O	H	O	L	O	H	O	V	O	H	O	V	O	H	O	V	O	H	O	V				
4	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W				
5	O	H	O	V	O	W	O	W	O	H	O	V	O	H	O	V	O	H	O	V	O	H	O	V				
6	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W				
7	O	H	O	V	O	H	O	V	O	H	O	V	O	H	O	V	O	H	O	V	O	H	O	V	QV	OL		
8	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W				
9	O	H	O	V	O	W	O	W	O	H	O	V	O	H	O	V	O	H	O	V	O	H	O	V				
10	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W				
11	O	H	O	V	O	W	O	W	O	H	O	V	O	H	O	V	O	H	O	V	O	H	O	V				
12	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W				
13	O	H	O	V	O	W	O	W	O	H	O	V	O	H	O	V	O	H	O	V	O	H	O	V				
14	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W				

Codes:

- | | | | |
|---|--|---|---|
| 0 | no radicle or coleoptile emergence | 6 | coleoptile emergence (must be used and can only use once) |
| 1 | first instance of radicle emergence (must be used and can only use once) | 7 | coleoptile length 0-10mm |
| 2 | radicle 1-5mm long | 8 | coleoptile length 10-20mm |
| 3 | radicle 6-10mm | 9 | coleoptile >20mm |
| 4 | radicle 10-20mm | | |
| 5 | radicle >20mm | | |

Check - no %

Notes:

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

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

Date 7/28/25
Name TEM

SA Levels/Codes

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

Start Time 1343
End Time 1320

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		OLOC																												
2		OHOW																												
3		OLOC																												
4		OHOW																												
5		OLOC																												
6		OHOW																												
7		OLOC																												
8		OHOW																												
9		OLOC																												
10		OHOW																												
11		OLOC																												
12		OHOW																												
13		OLOC																												
14		OHOW																												

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 Tr or Pg & auto pople
in repeat?

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 JEM

SA Levels/Codes

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

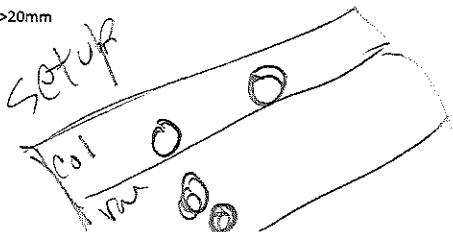
Start Time 1327
End Time 1511

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	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O	W	O	C	O
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
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
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
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
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
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
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
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
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
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
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
13	O	C	O	W	X	O	C	W	O	C	W	O	C	W	O	C	W	O	C	W	O	C	W	O	C	W	O
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

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

Notes:



end time must be end not partial

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

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

Date 7/26/25

Name JW

SA Levels/Codes

Control = C

0.5mM =

L (low)

Water = W

1.0mM =

H (high)

Start Time 1341

End Time 1606

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	I	O	W	O	N	O	W	O	H	O	H	O	W	O	W	O	T	O	W	O	W	O	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	
3	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	
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	
5	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	
6	D	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	
7	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	
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	
9	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	
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	
11	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	
12	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	
13	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	O	H	O	W	
14	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	

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

fill inside

old growth root

msure
dryer tape
sun board

Notes:

Species: ACHY
Temp range: 5-25°C
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	OH	OL															
1	OH OH																												
2	Onw																												
2	Onw			OC	OW	OC	Onw	OC																					
3																													
3	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL													
4																													
4	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	
5																													
5	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OL												
6																													
6	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	
7																													
7	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OL												
8																													
8	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	
9																													
9	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OL												
10																													
10	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	
11																													
11	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OL												
12																													
12	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	Onw	OC	
13																													
13	OH	OL	OL	OL	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OH	OL	OL												
14																													
14	Onw	OC	Onw	X	OC	Onw	OC																						

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

not sure about
this section, change if
needed

check
check

Notes:

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

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

Date 7/24/25

Name MH

SA Levels/Codes

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

Start Time 13:40 pm

End Time 15:58 pm

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	OL	OC	A	OC	OL																						
2	OH	OH	OH	OW	OH																						
2	OH	OW	OH																								
3	OL	OC	OL																								
4	OH	OW	OH																								
4	OH	OW	OH																								
5	O	OC	OL																								
6	OH	OW	OH																								
6	OH	OW	OH																								
7	OL	OC	OL																								
7	OL	OC	OL																								
8	OL	OR	OH	OW	OH																						
8	OL	OR	OH	OW	OH																						
9	OL	OC	OL																								
9	OL	OC	OL																								
10	OH	OW	OH																								
10	OH	OW	OH																								
11	OL	OC	OL																								
11	OL	OC	OL																								
12	OH	ON	OH	OW	OH																						
12	OH	ON	OH	OW	OH																						
13	OL	OC	OL																								
13	OL	OC	OL																								
14	OH	ON	OH	OW	OH																						
14	OH	ON	OH	OW	OH																						

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

Notes:

Species: ACHY
Temp range: 5-25°C
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 14:09

End Time 16:20

Name TEM

String 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	O ⁺	OW	OC	O ⁺	W	OC	O ⁺	OW	OC	O ⁺	W	OC	O ⁺	OW	OC	O ⁺	OC	O ⁺	OW	OC	O ⁺	OC	O ⁺
1	OW	OW	OW	OC																				
2	OL	O ⁺	O ⁺	OL	O ⁺	O ⁺	OL	O ⁺	OL	O ⁺	O ⁺	OL	O ⁺	O ⁺	OL	O ⁺								
2	O ⁺																							
3	OC	OW																						
3	OC	OW																						
4	OL	O ⁺	O ⁺	OL	O ⁺	O ⁺	OL	O ⁺																
4	O ⁺																							
5	OC	OW																						
5	OC	OW																						
6	OL	O ⁺	O ⁺	OL	O ⁺	O ⁺	OL	O ⁺																
6	O ⁺																							
7	OC	OW																						
7	OC	OW																						
8	OL	O ⁺	O ⁺	OL	O ⁺	O ⁺	OL	O ⁺																
8	O ⁺																							
9	OC	OW																						
9	OC	OW																						
10	OL	O ⁺	O ⁺	OL	O ⁺	O ⁺	OL	O ⁺																
10	O ⁺																							
11	OC	OW																						
11	OC	OW																						
12	OL	O ⁺	O ⁺	OL	O ⁺	O ⁺	OL	O ⁺																
12	O ⁺																							
13	OC	OW																						
13	OC	OW																						
14	OL	O ⁺	O ⁺	OL	O ⁺	O ⁺	OL	O ⁺																
14	O ⁺																							

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

NLGT →

- 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:

missing information

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