

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

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

Date 7/27/25  
Name Tom

## SA Levels/Codes

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

Start Time 1327  
End Time 1511

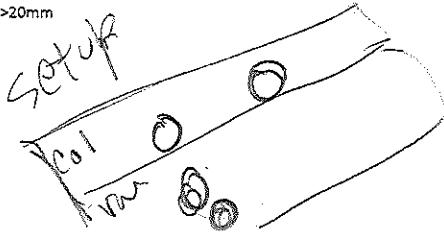
	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14
1	O	C	OW	OW	O	C	OW	OW	O	C	OW																	
2	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H
3	O	C	OW	OW	O	C	OW	OW	O	C	OW																	
4	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H	O	L	O	H
5	O	C	OW	OW	O	C	OW	OW	O	C	OW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

- 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 *not end*  
*not final*

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

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

Date 7/26/25  
Name Tun

## 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	W	O	W	O	W	O	W	O	H	H	O	W	O	W	O	W	O	W	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	L	
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	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	
7	O	W	O	H	O	W	O	H	O	W	O	H	H	O	W	O	H	O	W	O	H	O	W	O	H	O	
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	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	
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	H	
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	H	
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	

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

full sun

add water prof

measure  
dry over tape or  
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 MTT

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

Codes:

- 0 no radicle or coleoptile emergence
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- 2 radicle 1-5mm long
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- 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:

not sure about  
this section, change if  
needed

check

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

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

Date 7/24/25

Name MH

## SA Levels/Codes

Control =

Water =

c

0.5mM =

1.0mM =

i (low)

H (high)

### Start Time

13:40 *25*

15-8

## 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
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#### **Notes:-**

Species: ACHY  
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DayHr: 12

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

Date 7/23/2025  
Name TEM

## SA Levels/Codes

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

Start Time 1419End Time 1620

Row	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	OC	OW													
1	OW	OW	OC	OW											
2	OL	OH													
2	OH	OH	OL	OH											
3	OC	OW	OC	OW	DC	OW	OC	OW	OC	OW	OC	OW	OC	OW	
3	OW	OW	OC	OW	DC	OW	OC	OW	OC	OW	OC	OW	OC	OW	
4	OL	OH													
4	OH	OH	OL	OH											
5	OC	OW													
5	OW	OW	OC	OW											
6	OL	OH													
6	OH	OH	OL	OH											
7	OC	OW													
7	OW	OW	OC	OW											
8	OL	OH													
8	OH	OH	OL	OH											
9	OC	OW													
9	OW	OW	OC	OW											
10	OL	OH													
10	OH	OH	OL	OH											
11	OC	OW													
11	OW	OW	OC	OW											
12	OL	OH													
12	OH	OH	OL	OH											
13	OC	OW													
13	OW	OW	OC	OW											
14	OL	OH													
14	OH	OH	OL	OH											

## Codes:

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- 4 radicle 10-20mm
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missing information

## NIGHT →

- 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:

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