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

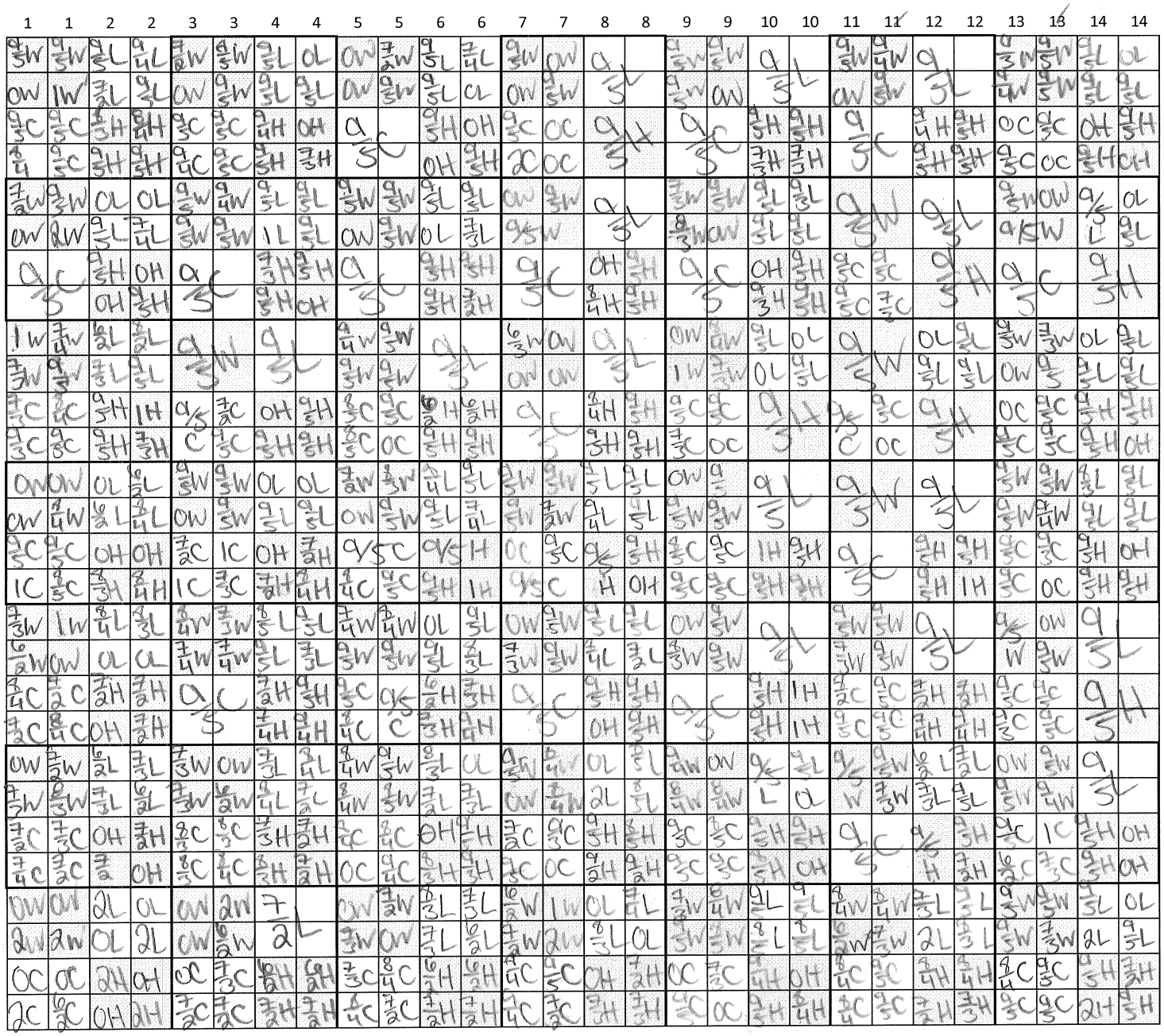
PI: Martyn
Project: SA Species

Date 7-5-25

Name MH

SA Levels/Codes

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



Notes:

0 no radicle emergence
1 first instance of radicle emergence (can only use once)
2 radicle 1-5mm long
3 radicle 6-10mm
4 radicle 10-20mm
5 radicle >20mm
6 coleoptile emergence (can only use once)
7 coleoptile length 0-10mm
8 coleoptile length 10-20mm
9 coleoptile >20mm
10 first true leaf emergence (can only use once)

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

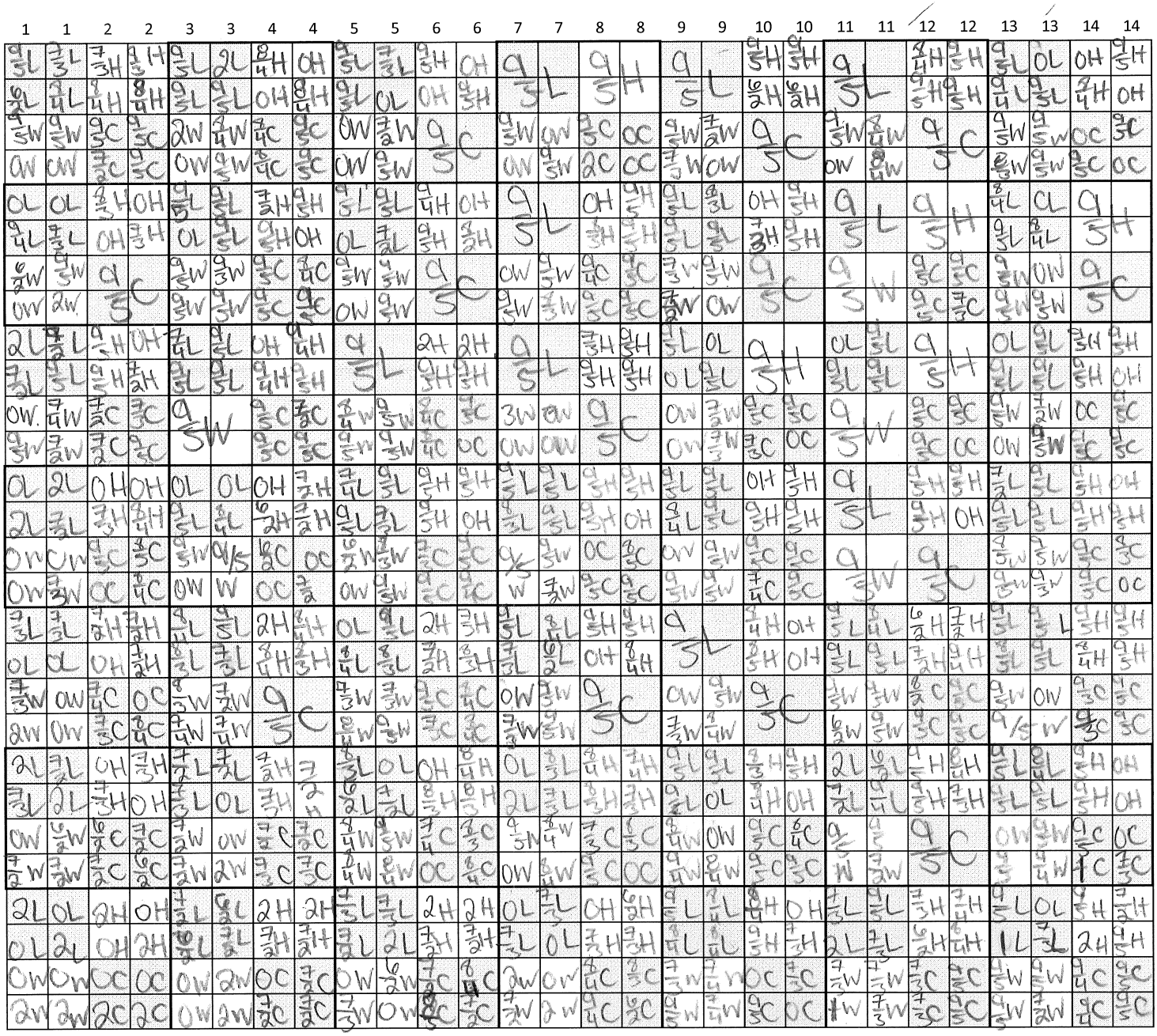
Date 7-4-25

Name MH

PI: Martyn
Project: SA Species

SA Levels/Codes

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



Notes:

0 no radicle emergence
1 first instance of radicle emergence (can only use once)
2 radicle 1-5mm long
3 radicle 6-10mm
4 radicle 10-20mm
5 radicle >20mm
6 coleoptile emergence (can only use once)
7 coleoptile length 0-10mm
8 coleoptile length 10-20mm
9 coleoptile >20mm
10 first true leaf emergence (can only use once)

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

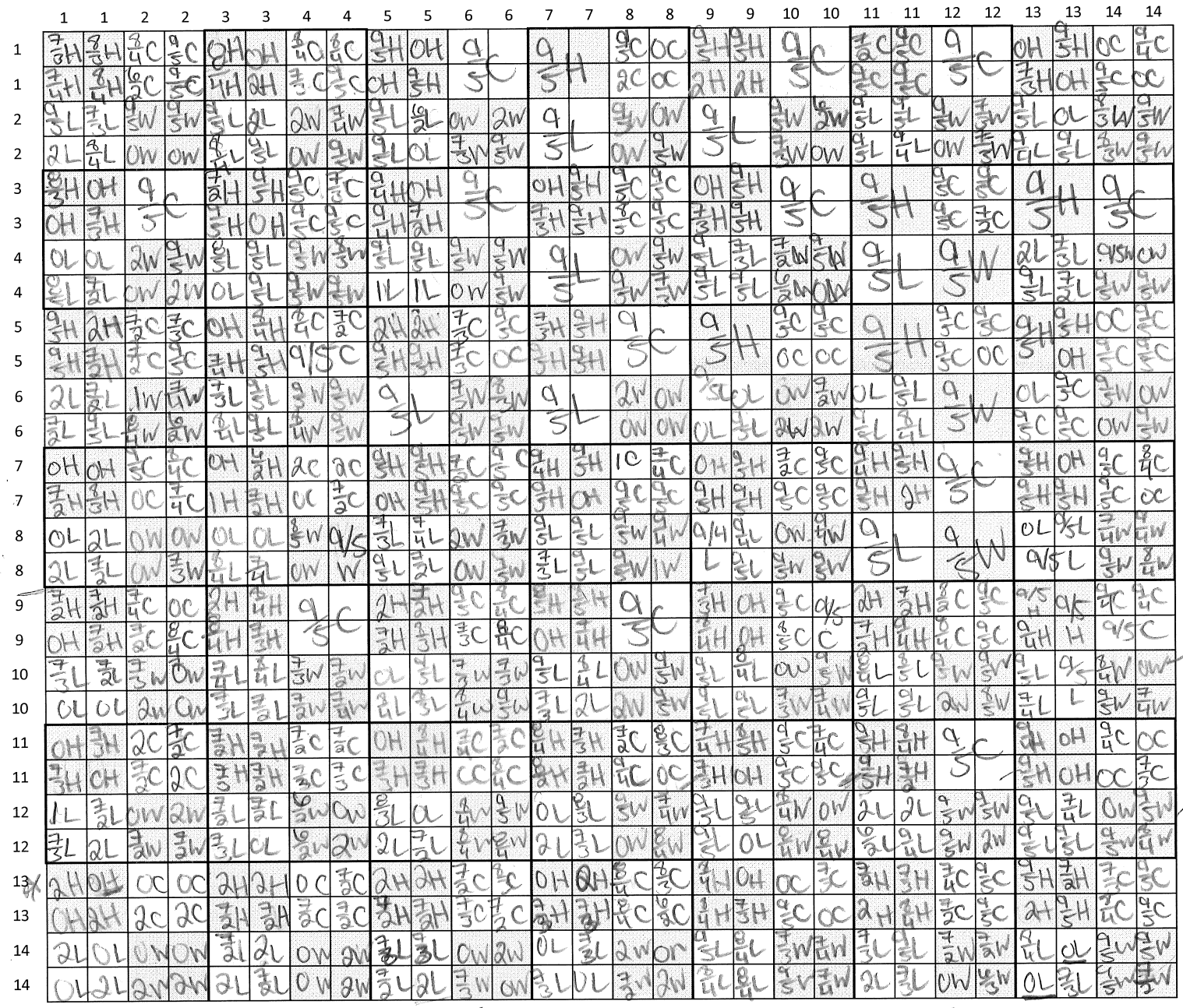
Date 7-3-25

Name MH

PI: Martyn
Project: SA Species

SA Levels/Codes

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



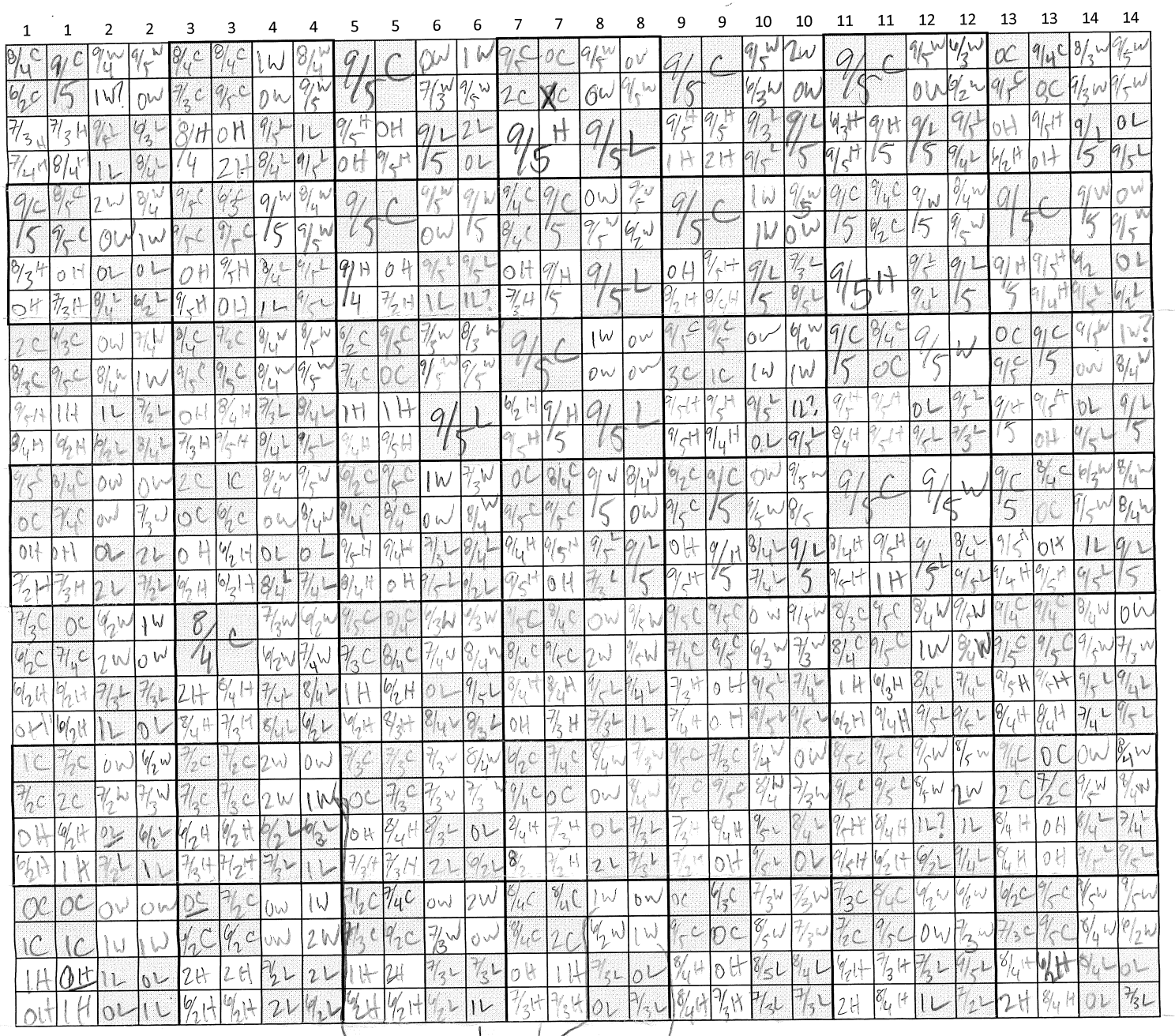
Notes:

0 no radicle emergence
1 first instance of radicle emergence (can only use once)
2 radicle 1-5mm long
3 radicle 6-10mm
4 radicle 10-20mm
5 radicle >20mm
6 coleoptile emergence (can only use once)
7 coleoptile length 0-10mm
8 coleoptile length 10-20mm
9 coleoptile >20mm
10 first true leaf emergence (can only use once)

Species: POSE
Temp range: 5-25oC
DayHr: 12
Date 7-2-2025
Name TGM

PI: Martyn
Project: SA Species

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



inside sheet

Notes:

0 no radicle emergence
1 first instance of radicle emergence (can only use once)
2 radicle 1-5mm long
3 radicle 6-10mm
4 radicle 10-20mm
5 radicle >20mm
6 coleoptile emergence (can only use once)
7 coleoptile length 0-10mm
8 coleoptile length 10-20mm
9 coleoptile >20mm
10 first true leaf emergence (can only use once)

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

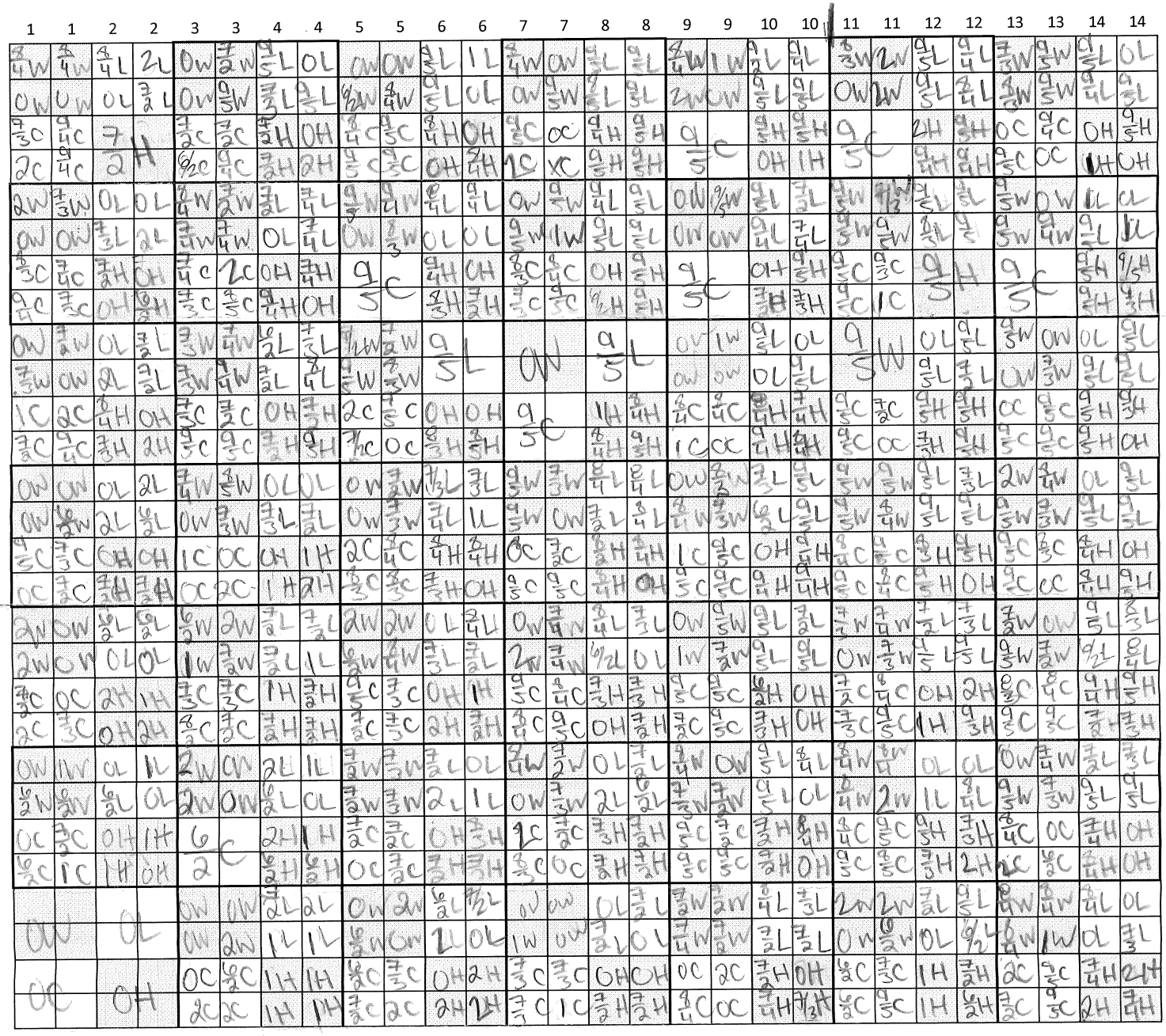
Date 7-1-25

Name MH

PI: Martyn
Project: SA Species

SA Levels/Codes

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



Notes:

0 no radicle emergence
1 first instance of radicle emergence (can only use once)
2 radicle 1-5mm long
3 radicle 6-10mm
4 radicle 10-20mm
5 radicle >20mm
6 coleoptile emergence (can only use once)
7 coleoptile length 0-10mm
8 coleoptile length 10-20mm
9 coleoptile >20mm
10 first true leaf emergence (can only use once)

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

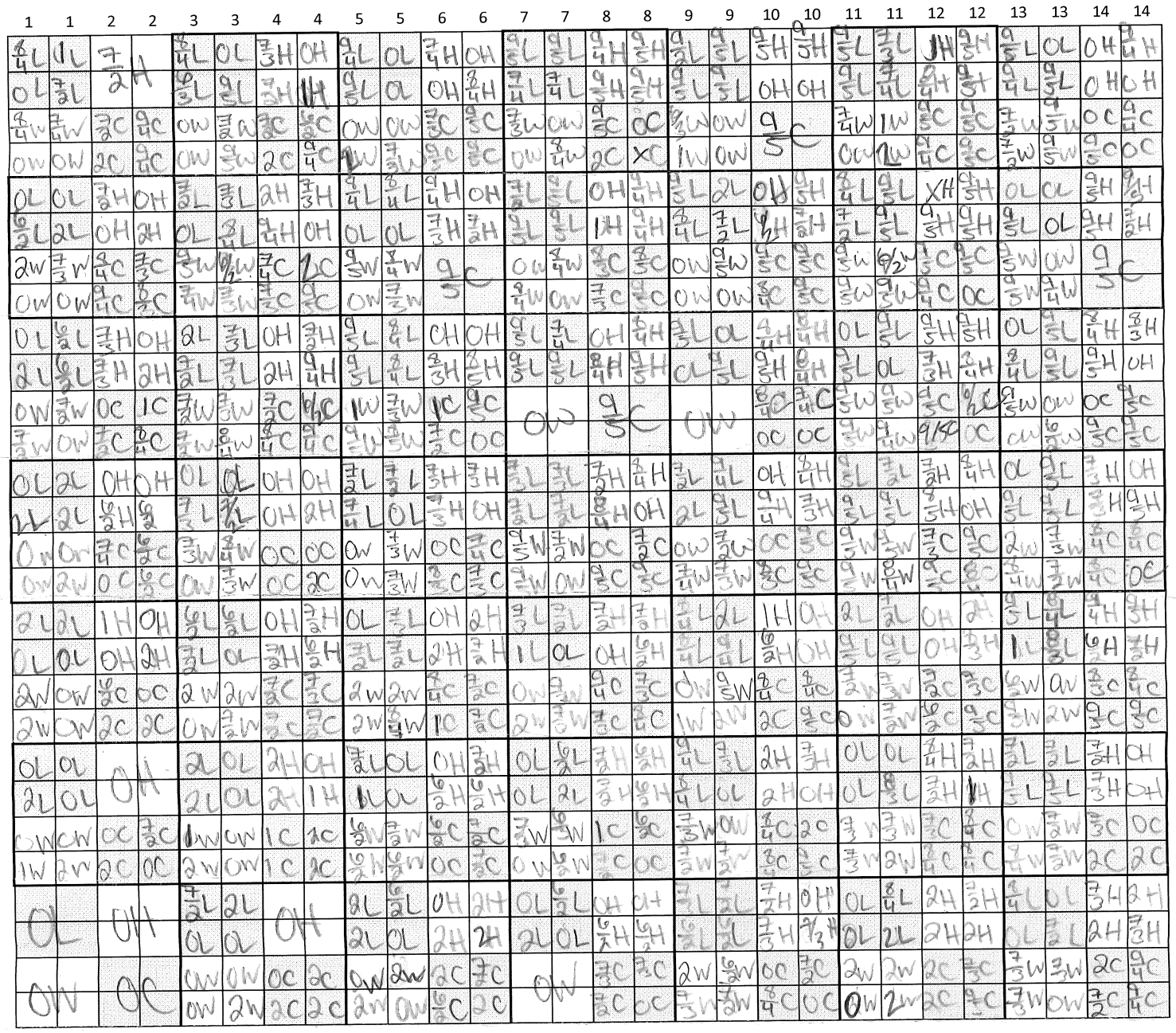
Date 6-30-25

Name MH

PI: Martyn
Project: SA Species

SA Levels/Codes

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



Notes:

0 no radicle emergence
1 first instance of radicle emergence (can only use once)
2 radicle 1-5mm long
3 radicle 6-10mm
4 radicle 10-20mm
5 radicle >20mm
6 coleoptile emergence (can only use once)
7 coleoptile length 0-10mm
8 coleoptile length 10-20mm
9 coleoptile >20mm
10 first true leaf emergence (can only use once)

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

PI: Martyn
Project: SA Species

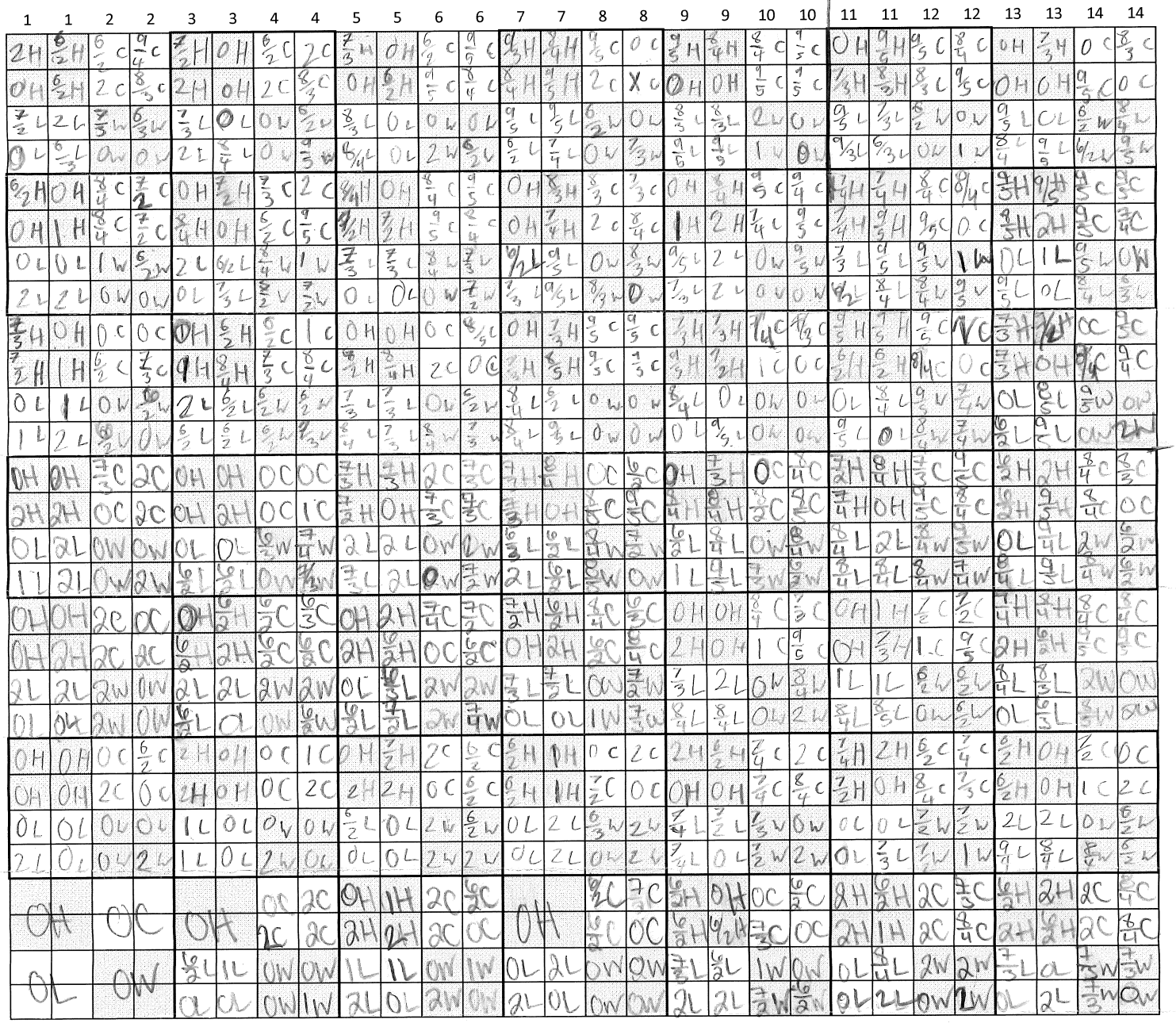
Date 6-29-25

Name MH, PW

SA Levels/Codes

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

killed



Notes:

0 no radicle emergence
1 first instance of radicle emergence (can only use once)
2 radicle 1-5mm long
3 radicle 6-10mm
4 radicle 10-20mm
5 radicle >20mm
6 coleoptile emergence (can only use once)
7 coleoptile length 0-10mm
8 coleoptile length 10-20mm
9 coleoptile >20mm
10 first true leaf emergence (can only use once)

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

PI: Martyn
Project: SA Species

Date 6-28-25

Name MH

SA Levels/Codes

Control =	C	0.5mM =	L (low)
Water =	W 7 / 1-Broke	1.0mM =	H (high)

2seeds / falling | 2seeds7 | take AVG

	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	2C	7/3C	3/2W	2W	1C	2C	0W	1W	2C	8/4C	0W	0W	9/5C	0C	2W	0W	7/3C	9/5C	2W	0W	7/4C	9/4C	1W	0W	0C	6/3C	1W	6/2W
1	2C	2C	0W	0W	2C	2C	0W	8/4W	9/5C	7/3C	2W	2W	2L	8/5C	0W	6/2W	9/5C	8/4C	0L	0L	8/4C	8/4C	0W	0W	7/4C	0C	1W	7/4W
2	2H	1H	3/2L	2L	6/4H	0H	7/3L	0L	6/2H	0H	7/3L	0L	8/3H	7/3H	9/5L	8/3L	9/5H	7/4H	8/2L	8/4L	0H	9/5H	9/4L	8/3L	0H	6/3H	8/4L	0L
2	0H	1H	0L	2L	2H	0H	1L	7/3L	0H	1H	7/3L	0L	7/4H	8/4H	2L	8/3L	0H	0H	8/4L	8/4L	6/2H	7/3H	8/2L	2L	0H	0H	7/3L	7/4L
3	7/2C	7/3C	0W	1W	6/3C	2C	7/4W	0W	7/3C	8/3C	6/3W	7/3W	7/3C	6/2C	0W	7/2W	8/4C	8/4C	0W	9/5W	7/3C	8/3C	8/5W	0W	9/5C	9/2C	8/5W	0W
3	7/2C	7/2C	0W	0W	1C	8/4C	6/2W	6/2W	8/4C	7/3C	0W	7/2W	2C?	8/4C	6/2W	0W	6/2C	9/4C	0W	0W	9/5C	0C	7/3W	9/5W	7/4C	7/2C	6/3W	2W
4	2H	0H	0L	0L	2H	6/2H	2L	2L	7/3H	0H	6/2L	6/2L	0H	4/2H	2L	9/5L	0H	7/3H	8/4L	2L	7/4H	7/3H	6/2L	8/4L	9/5H	9/5H	0L	0L
4	0H	0H	2L	1L	7/3H	0H?	0L	7/2L	6/3H	6/3H	0L	0L	0H	6/2H	6/2L	9/5L	0H	2H	6/2L	2L	7/3H	8/4H	1L	7/4L	8/5H	2H	9/5L	0L
5	0C	0C	0W	1W	2C	0C	2W	2W	0C	8/4C	0W	2W	9/5C	8/5C	0W	0W	7/3C	6/2C	0W		9/5C	1C	9/5W	8/4W	0C	8/5C	8/4W	0W
5	1C	7/4C	2W	0W	7/3C	7/3C	2W	6/3W	1C	0C	7/3W	9/4W	8/5C	8/4C	0W	0W	0C	0C			4/4C	0C	9/4W	8/4W	4/4C	7/4C	0W	2W
6	6/2H	0H	0L	0L	0H	2H	2L	2L	0H	0H	7/3L	6/2L	0H	7/3H	7/3L	1L	6/2H	6/2H	7/4	0L	7/4H	7/4H	0L	6/3L	6/3H	6/2H	0L	7/4L
6	6/2H	0H	0L	2L	0H	7/3H	2L	2L	6/2H	6/2H	7/3L	6/2L	6/2H	6/2H	7/3L	9/3L	9/5H	6/2H	0L	9/5L	2H	1H	9/2L	0L	6/2H	0H	6/2L	7/3L
7	6/2C	2C	0W	0W	0C		2W	6/2W	2C?	6/2C	0W	2W	0C	2C	7/4W	6/2W	0C	8/2C	0W	7/3W	6/2C	9/5C	6/4W	8/5W	6/2C	6/2C	1W	1W
7	0C	2C	0W	2W			0W	7/2W	6/3C	6/2C	0W	6/2W	8/4C	6/4C	7/4W	0W	7/2C	7/4C	6/2W	2W	7/3C	7/2C	6/3W	8/2W	6/2C	0C	6/3W	1W
8	0H	0H	0L	1L	0H	0H	0L	0L	6/3H	6/3H	2L	2L	7/3H	7/3H	2L	2L	0H	6/2H	2L	7/3L	6/2H	6/3H	6/4L	2L	2H	2H	0L	6/3L
8	2H	2H	0L	2L	0H	2H	2L	2L	6/2H	0H	6/2L	1L	7/3H	0H	2L	1L	7/3H	7/4H	0L	8/4L	6/2H	0H	7/3L	7/3L	2H	7/4H	6/2L	8/3L
9	2C	0C	1W	0W	2C	2C	2W	1W	7/3C	7/2C	2W	2W	7/3C	2C	0W	6/2W	7/2C	7/2C	0W	8/4W	6/2C	6/2C	2W	2W	6/3C	8/3C	2W	0W
9	2C	1C	1W	0W	2C	1C	0W	2W	0C	1C	7/3W	7/3W	2C	7/3C	0W	6/2W	0C	8/4C	0W	2W	0C	8/5C	0W	1W	6/2C	8/3C	7/3W	2W
10	0H	0H	2L	2L	0H	2H	2L	2L	0H	2H	0L	2L	6/2H	2H	6/2L	6/2L	0H	0H	6/2L	2L	0H	0H	0L	0L	8/4H	7/4H	7/4L	7/3L
10	0H	2H	0L		2H	2H	6/2L	0L	1H	2H	2L	6/2L	0H	2H	0L	0L	2H	0H	7/3L	8/4L	0H	6/2H	8/3L	8/4L	2H	2H	0L	2L
11	0C	1C	0W	0W	0C	0C	0W	0W	2C?	1C?	2W	2W	0C	2C	2W	2W?	6/4C	2C	7/3W	0W	1C	6/3C	6/2W	6/2W	6/2C	2C	0W	2W
11	2C	0C	0W	1W	0C	2C	1W	0W	0C?	1C	2W	2W	6/2C	0C	0W	2W	6/3C	6/4C	6/2W	2W	7/3C	6/2C	6/2W	0W	0C	2C	2W	2W
12	0H	9H	0L	0L	2H	0H	0L	0L	0H	6/2H	6/2L	0L	1H	0H	0L	2L	2H	2H	7/3L	7/2L	7/3H	2H	0L	0L	2H	0H	2L	2L
12	0H	0H	2L	0L	2H	0H	0L	0L	1H	2H	0L	0L	1H	0H	0L	2L	0H	0H	7/3L	0L	6/2H	0H	0L	6/2L	2H	0H	7/4L	6/3L
13	0C		0W		0C	1C	0W		0C	2C	0W	0W	1C	6/2C	0W	1W	0C	1C	0W	0W	1C	1C	1W	2W	1C	2/2C	2W	2W
13					0C	1C			1C	2C	1W	0W	2C	0C	0W	0W	6/2C	0C	6/2W	2W	1C	7/2C	0W	2W	1C	7/3C	1W	0W
14	0H		0L		0H		6/2L	0L	1H	0H	0L	0L	0H		0L	1L	1H	0H	6/2L	2L	1H	1H	0L	7/3L	1H	2H	2L	0L
14							0L	0L	1H	0H	1L	0L			1L	0L	1H	1H	2L	2L	1H	0H	0L	2L	1H	2H	0L	2L

Notes:

0 no radicle emergence
1 first instance of radicle emergence (can only use once)
root – 2 radicle 1-5mm long
3 radicle 6-10mm
4 radicle 10-20mm
5 radicle >20mm
stem – 6 coleoptile emergence (can only use once)
7 coleoptile length 0-10mm
8 coleoptile length 10-20mm
9 coleoptile >20mm
10 first true leaf emergence (can only use once)

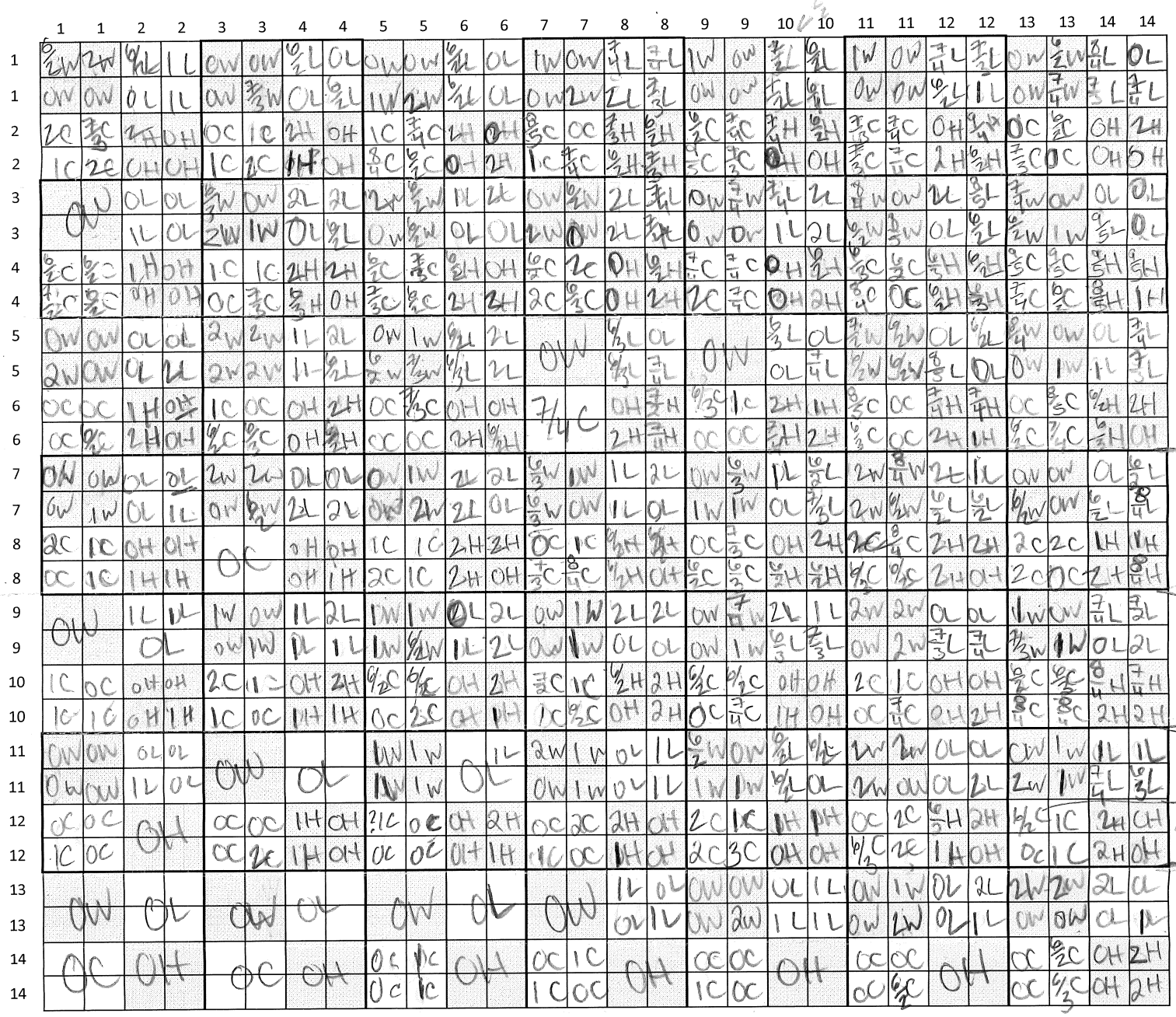
9:20am –

Species: POSE
Temp range: 5-25oC
DayHr: 12
Date 6-27-25
Name MH

PI: Martyn
Project: SA Species

SA Levels/Codes

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



Notes:

0 no radicle emergence
1 first instance of radicle emergence (can only use once)
2 radicle 1-5mm long
3 radicle 6-10mm
4 radicle 10-20mm
5 radicle >20mm
6 coleoptile emergence (can only use once)
7 coleoptile length 0-10mm
8 coleoptile length 10-20mm
9 coleoptile >20mm
10 first true leaf emergence (can only use once)

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

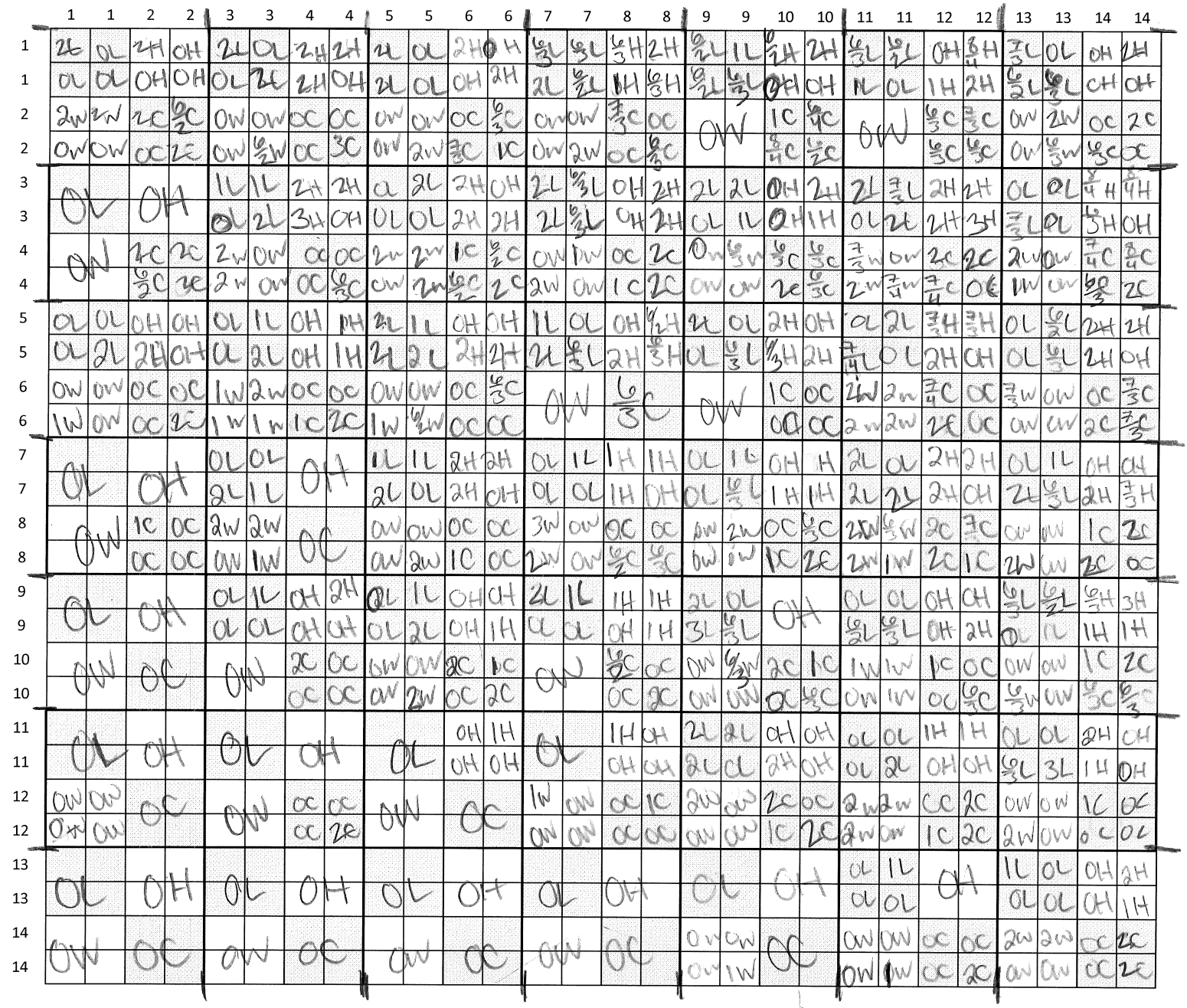
Date 6-26-25

Name MH

PI: Martyn
Project: SA Species

SA Levels/Codes

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



Notes:

0 no radicle emergence
1 first instance of radicle emergence (can only use once)
2 radicle 1-5mm long
3 radicle 6-10mm
4 radicle 10-20mm
5 radicle >20mm
6 coleoptile emergence (can only use once)
7 coleoptile length 0-10mm
8 coleoptile length 10-20mm
9 coleoptile >20mm
10 first true leaf emergence (can only use once)

Species: POSE
Temp range: 5-25oC
DayHr: 12
Date 6/25/25 1240
Name TEM MH

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

PI: Martyn
Project: SA Species

	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	2H	0H	2C	1C	2H	2H	0C	0C	1H	0H	0W	0W	2H	2H	½C	0C	1H	2H	0C	3C	0H	⅞H	2C	½C	0H	2H	0C	1C
1	0H	0H	0C	2C	2H	0H	0C	2C	0	1H	0W	1W	0H	2H	0C	2C	0H	0H	⅔C	1C	0H	1H	2C	2C	0H	0H	2C	0C
2	2L	0L	1W	2W	2L	0L	0W	0W	2L	0L	0C	2C	3L	2L	0W	0W	2L	0L	0W		2L	1L	0W		½C	0L	0W	2W
2	0L	0L	0W	0W	0L	2L	0W	2W	2L	0L	½C	0C	1L	2L	0W	1W	2L	2L			0L	0L			1L	2L	0W	2W
3	0	1H	1C	1C	2H	2H	0C	0C	1H	0H	0C	2C	0H	2H	0C	2C	0H	2H	2C		1H	2H	2C	1C	⅔H	⅔H	⅔C	⅔C
3			1C	1C	2H	0H	0C	2C	1H	1H	2C	2C	0H	1H	0C	2C	0H	0H			2H	2H	⅔C	0C	2H	0H	2C	2C
4	0L	0L	0	W	0L	0L	2W	0W	0L	1L	2W	2W	2L		0W	0W	1L	1L	0W	2W	2L	½L	½W	0W	0L	0L	1W	0W
4	0L	0L			0L	2L	1W	0W	0L	0L	0W	2W			1W	0W	0L	0L	0W	0W	0L	2L	2W	⅓W	½L	0L	0W	0W
5	0H	0H	0C	0C	0H	0H	0C	0C	0H	0H	0W	0W	0H	1H	2C		2H	0H	0C		½H	½H	⅓C	0C	1H	2H	0C	½C
5	1H	0H	0C	2C	0H	0H	0C	2C	1H	2H	0W	0W	1H	2H			2H	2H			1H	0H	2C	0C	2H	0H	1C	½C
6	0L	0L	0	W	0L	0L	0W	1W	2L	0L	0C	2C	0L	0L	0W		2L	0L	0W		0L	1L	2W	1W	0L	1L	½W	0W
6	0L	1L			0L	1L	0W	0W	2L	1L	0C	0C	2L	2L			0L	2L			⅔L	0L	2W	⅓W	½L	0L	0W	0W
7	0	1H	0C		0	1H	0	C	1H	1H	0W	0W	0H		0C	0C	0H	2H	0C	2C	1H	1H	1C	½C	0H	0H	1C	2C
7									1H	0H	0W	1W			1C	2C	0H	0H	0C	2C	1H	0H	2C	0C	1H	½H	2C	0C
8	0L		0W	0W	0L	0L	1W	1W	0L	0L	0C	0C	0L		2W	0W	0L	0L	0W	1W	1L	0L	2W	2W	0L	0L	0W	0W
8			0W	0W	1L	0L	0W	0W	1L	0L	0C	0C			2W	0W	0L	2L	0W	0W	1L	2L	2W	0W	2L	2L	2W	0W
9	0	1H	0	C	0H	1H	1C	0C	0	1H	1C	0C	0H		0C	0C	0H		1C	0C	0H	0H	0	W	2H	2H	0C	2C
9					0H	0H	0C	0C			0C	1C			0C	1C			0C	2C	0H	1H			0H	0H	2C	2C
10	0	2L	0	W	0	L	0	W	0L	0L	0W	0W	2L	0L	0W		1L	0L	0W	2W	0L	0L	0C	0C	2L	1L	0W	0W
10									0L	1L	0W	2W	0C	0L			2L	2L	0W	0W	1L	2L	0C	2C	0L	1L	2W	0W
11	0	1H	0C		0H		0C	0C	0	1H		0C	0H		0C		0H	0H	2C	0C	0H		0C	1C	1H	0H		
11							0C	2C									1H	0H	0C	2C			0C	1C	0H	0H	0C	
12	0	1L	0W	0W	0L	0L	0W		0	1L	0	W	0L		0W		2L	1L	1W	0W	0L	0L	1W	1W	0L	0L	0W	0W
12			0W	0W	0L	0L											1L	0L	0W	0W	0L	1L	1W	0W	2L	2L	1W	0W
13	0H		0C		0H		0	C	0H		0C		0H		0C		0H		0C		0H	1H	0C	0C	0H	1H	0C	2C
13																					0H	0H	0C	1C	0H	0H	0C	2C
14	0	1L	0	W	0	1L	0	W	0L		0W		0L		0W		0L		0W		0L		0W		0L		1W	1W
14																									0L	0L	0W	0W

Notes:

0 no radicle emergence
1 first instance of radicle emergence (can only use once)
2 radicle 1-5mm long
3 radicle 6-10mm
4 radicle 10-20mm
5 radicle >20mm
6 coleoptile emergence (can only use once)
7 coleoptile length 0-10mm
8 coleoptile length 10-20mm
9 coleoptile >20mm
10 first true leaf emergence (can only use once)

root in sheath

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

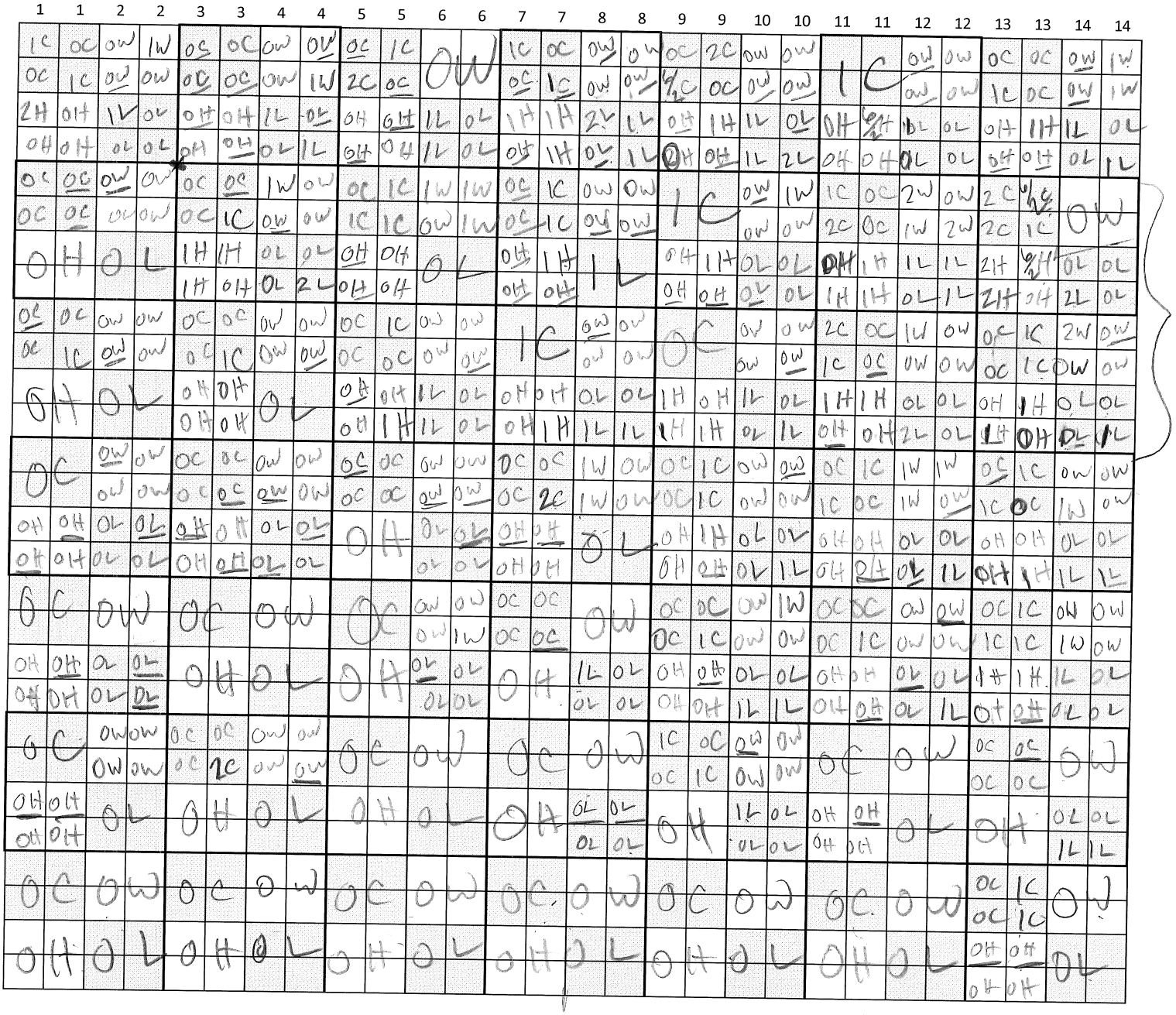
PI: Martyn
Project: SA Species

Date 6/24/25 1347

Name TEM 1540

SA Levels/Codes

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



Notes:

0 no radicle emergence
1 first instance of radicle emergence (can only use once)
2 radicle 1-5mm long
3 radicle 6-10mm
4 radicle 10-20mm
5 radicle >20mm
6 coleoptile emergence (can only use once)
7 coleoptile length 0-10mm
8 coleoptile length 10-20mm
9 coleoptile >20mm
10 first true leaf emergence (can only use once)

rotate clockwise

- underline means called 8e 1 → check Tuesday
- decide to use slash method because coleoptile come up quick!

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

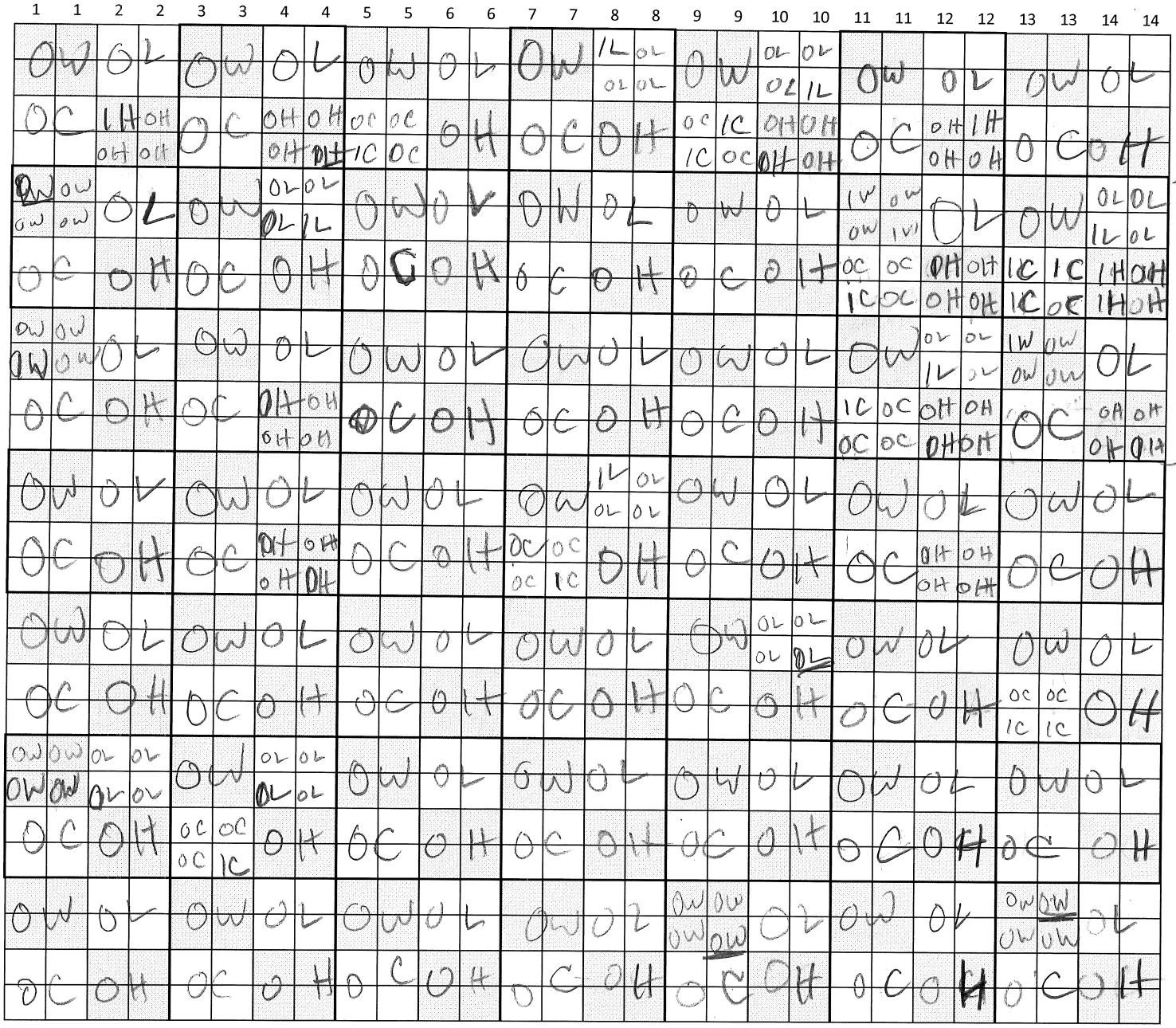
PI: Martyn
Project: SA Species

Date 6/23/25 1329

Name TEM

SA Levels/Codes

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



Notes:

0 no radicle emergence
1 first instance of radicle emergence (can only use once)
2 radicle 1-5mm long
3 radicle 6-10mm
4 radicle 10-20mm
5 radicle >20mm
6 coleoptile emergence (can only use once)
7 coleoptile length 0-10mm
8 coleoptile length 10-20mm
9 coleoptile >20mm
10 first true leaf emergence (can only use once)

Rotate clockwise

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

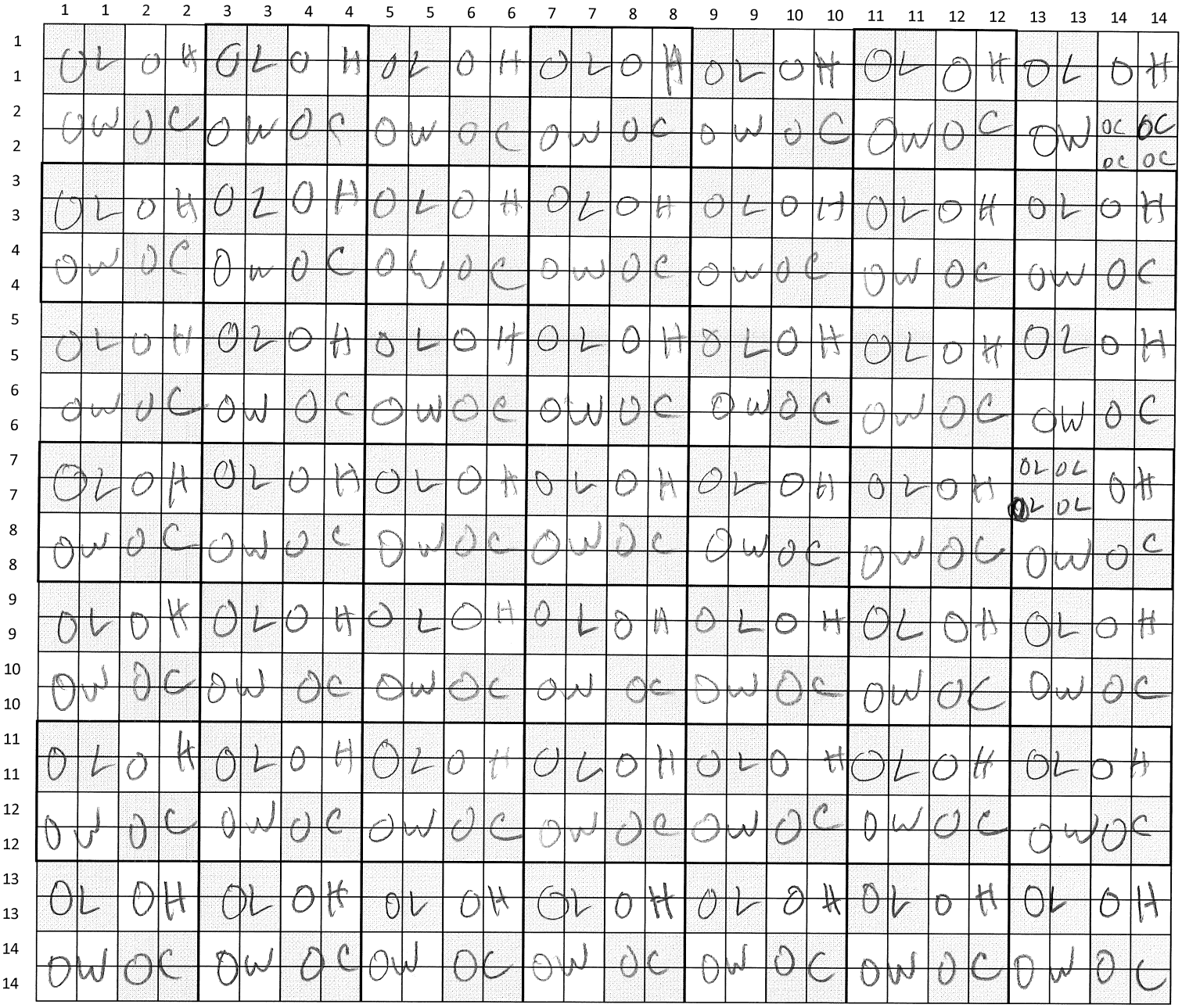
PI: Martyn
Project: SA Species

Date 6/22/25 813 900

Name Tem

SA Levels/Codes

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



Notes:

0 no radicle emergence
1 first instance of radicle emergence (can only use once)
2 radicle 1-5mm long
3 radicle 6-10mm
4 radicle 10-20mm
5 radicle >20mm
6 coleoptile emergence (can only use once)
7 coleoptile length 0-10mm
8 coleoptile length 10-20mm
9 coleoptile >20mm
10 first true leaf emergence (can only use once)

Planted 830 – 1230 on Sat June 21 2025

Rotate clockwise

Entered.

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

Date 6-28-25

Name MH

SA Levels/Codes

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

PI: Martyn
Project: SA Species

2seeds, falling

7/1 - Broke

	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	2C	7/3C	6/2L	2W	1C	2C	0W	1W	2C	8/4C	0W	0W	9/5C	0C	2W	0W	7/3C	9/5C	2W	0W	8/4C	9/4C	1W	0W	0C	6/3C	0W	6/2W
1	2C	2C	0W	0W	2C	2C	0W	8/4W	9/5C	7/3C	2W	2W	2L	8/5C	0W	6/2W	9/5C	8/4C	0L	0L	8/4C	8/4C	0W	0W	7/4C	0C	0W	7/4W
2	2H	0H	6/2L	2L	8/6H	0H	7/3L	1L?	6/2H	1H	7/2L	0L	8/3H	7/3H	9/5L	8/5L	9/5H	7/4H	8/2L	8/4L	2H	9/5H	9/4L	8/3L	1H	8/2H	8/4L	0L
2	0H	0H	0L	2L	2H	0H	1L	7/3L	0H	1H	7/4L	0L	7/4H	8/4H	2L	8/3L	2H	0H	8/4L	8/4L	6/2H	7/3H	8/2L	2L	0H	0H	8/3L	7/4L
3	9/2C	6/2C	0W		6/2C	2C	7/4W	0W	7/3C	8/4C	6/3W	7/3W	7/3C	6/2C	0W	7/2W	8/4C	8/4C	0W	9/5W	7/3C	8/3C	8/5W	0W	9/5C	9/5C	8/5W	0W
3	7/2C	6/2C			0C	8/4C	6/2W	6/2W	8/4C	7/3C	0W	7/2W	2C?	8/4C	6/2W	2W	6/2C	9/4C	0W	0W	9/5C	2C	7/3W	9/5W	7/4C	5/2C	6/3W	2W
4	2H	0H	0L	0L	2H	6/2H	2L	2L	7/3H	0H	9/2L	6/2L	0H	6/2H	2L	9/5L	0H	7/3H	8/4L	2L	7/4H	7/3H	6/2L	8/4L	9/5H	8/3H	0L	0L
4	0H	0H	2L	1L	7/4H	2H?	0L	7/3L	6/2H	6/2H	0L	2L	0H	7/2H	6/2L	9/5L	0H	2H	6/2L	2L	7/3H	8/4H	0L	7/4L	8/5H	2H	9/5L	0L
5	0C	0C	0W	0W	2C	0C	2L	2L	0C	8/4C	0W	2W	9/5C	8/5C	0W	0W	6/4C	2C	0W		9/5C	0C	7/2W	8/2W	0C	8/5C	8/4W	0W
5	0C	6/2C	2W	0W	7/2C	7/3C	2W	6/3W	1C?	0C	7/3L	8/4W	8/5C	8/4L	1W?	0W	0C	0C			6/3C	0C	6/2W	8/3W	9/2C	7/4C	0W	2W
6	6/2H	0H	0L	0L	0H	2H	2L	2L	0H	0H	7/3L	6/2L	0H	7/3H	7/3L	1L	6/2H	6/2H	7/4	0L	7/4H	7/4H	0L	6/3L	6/2H	6/2H	0L	7/4L
6	6/2H	0H	0L	2L	0H	7/3H	2L	2L	6/2H	6/2H	7/3L	6/2L	6/2H	8/4H	7/3L	9/5L	9/5H	6/2H	0L	9/5	3H	1H	7/3L	2L	6/2H	0H	2L	7/3L
7	6/2C	2C	2W	0W	0C		2L	6/2W	2C?	6/2C	0W	2W	0C	2C?	7/4W	6/2L	1C	8/3C	0W	1/3W	6/2C	9/5C	6/4W	8/5W	6/2C	6/2C	0W	1W
2seeds 7	0C	2C	0W	2W			0W	2W	6/3C	6/2C	2W?	6/2W	8/4C	7/4C	7/4W	0W	7/2C	7/4C	6/2W	2W	7/3C	7/2C	6/3W	7/2W	6/2C	0C	6/2W	0W
9fC AVG 8	0H	0H	0L	1L	0H	2H	0L	2L	6/2H	6/3H	2L	2L	7/2H	7/3H	2L	2L	0H	6/2H	2L	7/3L	6/2H	6/3H	6/4L	2L	2H	2H	1L	6/2L
8	2H	2H	0L	2L	0H	2H	2L	2L	6/2H	0H	6/2L	1L	7/3H	0H	2L	1L	7/3H	7/2H	0L	8/4L	6/2H	0H	7/3L	7/3L	2H	7/4H	6/2L	8/5L
9	2C	2C	0W		2C	2C	2W	1L	7/3C	7/2C	2W	2L	7/3C	2C	0W	6/2L	7/2C	7/2C	0W	8/4W	6/2C	6/2C	2W	2W	6/2C	4/3C	2W	0W
9	2C	0C			2C	0C	0W	2W	0C	2C	2W	7/3W	2C	7/3C	0W	6/2W	0C	8/4C	0W	2W	0C	6/5C	0W	1W	8/2C	8/3C	7/3W	2W
10	0H	0H	2L	2L	0H	2H	2L	2L	0H	2H	2L?	2L	6/2H	2H	6/2L	6/2L	0H	0H	6/2L	2L	0H	0H	0L	0L	8/4H	7/4H	7/4L	7/3L
10	0H	2H	0L		2H	2H	0L	6/2L	1H	2H	2L	6/2L	0H	2H	0L	0L	2H	0H	7/3L	8/4L	0H	6/2H	6/3	7/4L	2H	2H	1L	2L
11	0C	0C	0W	0W	0C	0C	0W	0W	2C?	1C?	2W	2L	0C	2C	2W	2W?	6/4C	2C	7/3W	0W	1C	6/3C	6/2W	6/2W	6/2C	2C	6/2W	2W
11	2C	0C	2W	1W	0C	2C	1L	0W	1C?	1C	2W	2W	6/3C	0C	0W	2W	6/3C	6/4C	6/2W	2W	7/3C	6/2C	6/2W	0W	0C	2C	2W	2W
12	1H	9H	0L	0L	2H	0H	0L	0L	0H	9/2H	1L	6/2L	1H	2H	0L	2L	2H	2H	7/3L	7/3L	7/3H	2H	0L	0L	2H	1H	2L	2L
12	0H	0H	2L	0L	2H	0H	0L	0L	1H	2H	0L	0L	1H	8H	0L	2L	2H	0H	7/3L	0L	6/2H	0H	0L	6/2L	2H	2H	7/4L	6/3L
13	0C		0W		0C	1C	0W		2C	1C	0W	0W	0C	6/2C	0W	1W	0C	0C	0W	0W	1C	1C	1W	2W	1C	7/5C	2W	2W
13					0C	1C			2C	0C	1W	0W	2C	0C	0W	0W	4/2C	0C	6/1W	2W	1C	7/2C	0W	2W	1C	7/3C	1W	1W
14	0H		0L		0H		6/1L	0L	1H	0H	0L	0L	0H		2L	1L	1H	0H	6/1L	2L	1H	1H	2L	7/3L	1H	3H	2L	0L
14							0L	0L	1H	0H	1L	1L			1L	2L	1H	0H	2L	2L	1H	0H	2L	2L	1H	2H	0L	2L

Notes:

0 no radicle emergence
1 first instance of radicle emergence (can only use once)
out – 2 radicle 1-5mm long
3 radicle 6-10mm
4 radicle 10-20mm
5 radicle >20mm
cem – 6 coleoptile emergence (can only use once)
7 coleoptile length 0-10mm
8 coleoptile length 10-20mm
9 coleoptile >20mm
10 first true leaf emergence (can only use once)

0-20mm –

Species: POSE
Temp range: 5-25oC
DayHr: 12
Date ~~6-24-25~~ 6-28-25
Name MH

PI: Martyn
Project: SA Species

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

2 seeds planted → take avg

	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	2C	3/4C	1/2W	2W	1C	2C	0W	1W	2C	3/4C	0W	0W																
1	2C	2C	0W	0W	2C	2C	0W	3/4W	3/4C	3/4C	2W	2W																
2	2H	0H	1/2L	2L	3/4H	0H	3/4L	1L?	1/2H	1H	3/4L	0L																
2	0H	0H	0L	2L	2H	0H	1L	3/4L	0H	1H	3/4L	0L																
3	1/2C	1/2C	0W		1/2C	2C	3/4W	0W	3/4C	3/4C	1/2W	3/4W	3/4C	1/2C	0W	3/4W												
3	2H/3C	1/2C	0W		0C	3/4C	1/2W	1/2W	3/4C	3/4C	0W	3/4W	2C?	3/4C	1/2W	2W												
4	2H	0H	0L	0L	2H	1/2H	2L	2L	3/4H	0H	1/2L	1/2L	0H	1/2H	2L	3/4L												
4	0H	0H	2L	1L	3/4H	2H?	0L	3/4L	1/2H	1/2H	0L	2L	0H	3/4H	1/2L	3/4L												
5	0C	0C	0W	0W	2C	0C	2W	2W	0C	3/4C	0W	2W	3/4C	3/4C	0W	0W												
5	0C	1/2C	2W	0W	3/4C	3/4C	2W	1/2W	1C?	0C	3/4W	3/4W	3/4C	3/4C	1W?	0W												
6	1/2H	0H	0L	0L	0H	2H	2L	2L	0H	0H	3/4L	1/2L	0H	3/4H	3/4L	1L												
6	1/2H	0H	0L	2L	0H	3/4H	2L	3/4L	1/2H	1/2H	3/4L	1/2L	1/2H	3/4H	3/4L	3/4L												
7	1/2C	2C	2W	0W			2W	1/2W	2C?	1/2C	0W	2W	0C	2C?	3/4W	1/2W												
7	0C	2C	0W	2W	0C		0W	2W	1/2C	1/2C	2W?	1/2W	3/4C	3/4C	3/4W	0W												
8	0H	0H	0L	1L	0H	0H	0L	2L	1/2H	1/2H	2L	2L	3/4H	3/4H	2L	2L												
8	2H	2H	0L	2L	0H	2H	2L	2L	1/2H	0H	1/2L	1L	3/4H	0H	2L	1L												
9	2C	2C			2C	2C	2W	1W	3/4C	3/4C	2W	2W	3/4C	2C	0W	1/2W												
9	2C	0C	0W		2C	0C	0W	2W	0C	2C	2W	3/4W	2C	3/4C	0W	1/2W												
10	0H	0H	2L	2L	0H	2H	2L	2L	0H	2H	2L?	2L	1/2H	2H	1/2L	1/2L												
10	0H	2H	0L		2H	2H	0L	1/2L	1H	2H	2L	1/2L	0H	1/2H	0L	0L												
11	0C	0C	0W	0W	0C	0C	0W	0W	2C?	1C?	2W	2W	0C	2C	2W	2W?												
11	2C	0C	2W	1W	0C	2C	1W	0W	1C?	1C	2W	2W	1/2C	0C	0W	2W												
12	1H	0H	0L	0L	2H	0H	0L	0L	0H	1/2H	1L	1/2L	1H	2H	0L	2L												
12	0H	0H	2L	0L	2H	0H	0L	0L	1H	2H	0L	0L	1H	2H	0L	2L												
13																												
13																												
14																												
14																												

2 seeds together, just take avg

Notes:

0 no radicle emergence
1 first instance of radicle emergence (can only use once)
2 radicle 1-5mm long
3 radicle 6-10mm
4 radicle 10-20mm
5 radicle >20mm
6 coleoptile emergence (can only use once)
7 coleoptile length 0-10mm
8 coleoptile length 10-20mm
9 coleoptile >20mm
10 first true leaf emergence (can only use once)