

## Soybean full light 1, day 2

Date	Day #	Plant 1		Plant 2		Plant 3		Plant 4		Plant 5		Plant 6		Plant 7		Plant 8		Plant 9		Plant 10	
		Hypocotyl Length (mm)	Radicle Length (mm)	Radicle Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)
11/03/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/4/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/7/16	2	0	15	0	0	0	0	0	3	0	10	0	10	0	2	0	8	0	6	0	7
11/8/16	3	0	26	0	0	0	10	0	15	0	20	0	12	0	10	0	12	0	11	0	14
11/9/16	4	0	32	0	4	0	23	0	32	0	33	0	41	0	17	0	15	0	26	0	26
11/10/16	5	0	53	0	10	0	40	0	45	0	55	0	61	0	21	0	25	0	33	0	55
11/14/16																					
11/15/16																					
11/16/16																					
11/17/16																					

## Soybean 2 full light day 2

Exp		Plant 1		Plant 2		Plant 3		Plant 4		Plant 5		Plant 6		Plant 7		Plant 8		Plant 9		Plant 10	
Date	Day #	Hypocotyl Length (mm)	Radicle Length (mm)	Radicle Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)
11/03/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/04/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/16	2	0	5	0	0	0	2	0	4	0	0	0	10	0	2	0	0	0	3	0	0
11/08/16	3	0	12	0	15	0	3	0	12	0	6	0	16	0	15	0	8	0	15	0	5
11/9/16	4	0	26	0	31	0	3	0	17	0	19	0	39	0	21	0	13	0	47	0	9
11/10/16	5	0	37	0	53	0	5	0	26	0	42	0	63	0	32	0	25	0	68	0	13
11/14/16																					
11/15/16																					
11/16/16																					
11/17/16																					

## Soybean, half light, day 2

Date	Day #	Plant 1		Plant 2		Plant 3		Plant 4		Plant 5		Plant 6		Plant 7		Plant 8		Plant 9		Plant 10	
		Hypocotyl Length (mm)	Radicle Length (mm)	Radicle Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)
11/03/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/4/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/7/16	2	0	0	0	0	0	0	0	2	0	4	0	6	0	5	0	1	0	0	0	0
11/8/16	3	0	5	0	8	0	7	0	10	0	20	0	16	0	10	0	8	0	7	0	10
11/9/16	4	0	15	0	15	0	10	0	12	0	root fell off	0	32	0	25	0	12	0	10	0	20
11/10/16	5	0	43	0	32	0	18	0	35	0	0	0	54	0	root fell off	0	35	0	42	0	34
11/14/16																					
11/15/16																					
11/16/16																					
11/17/16																					

## Soybean, no light day 2

Exp		Plant 1		Plant 2		Plant 3		Plant 4		Plant 5		Plant 6		Plant 7		Plant 8		Plant 9		Plant 10	
Date	Day #	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)
11/03/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/4/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/7/16	2	0	2	0	0	0	2	0	0	0	5	0	2	0	4	0	6	0	8	0	0
11/8/16	3	0	15	0	5	0	16	0	11	0	13	0	11	0	15	0	16	0	10	0	5
11/9/16	4	0	40	0	15	0	34	0	29	0	28	0	25	0	31	0	35	0	30	0	6
11/10/16	5	0	64	0	0-13 tip fell off	0	54	0	44	0	44	0	32	0	56	0	64	0	73	0	11
11/14/16																					
11/15/16																					
11/16/16																					
11/17/16																					

# Soybean half light day 1

Exp		Plant 1		Plant 2		Plant 3		Plant 4		Plant 5		Plant 6		Plant 7		Plant 8		Plant 9		Plant 10	
Date	Day #	Hypocotyl Length (mm)	Radicle Length (mm)	hypocotyl length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)
11/02/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/03/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3																				
	4																				
11/07/16	5	0	0	0	8	0	0	0	0	0	31	0	14	0	31	0	7	0	21	0	20
11/08/16	6	0	5	0	7	0	4	0	5	0	33	0	36	0	38	0	13	0	26	0	48
11/09/16	7	0	9	0	25	0	21	0	5	0	50	0	33	0	46	0	26	0	28	0	51
11/10/16	8	0	10	0	40	0	36	0	6	0	62	0	43	0	69	0	28	0	33	0	53
	9																				
	10																				
11/14/16																					
11/15/16																					
11/16/16	14																				

# Soybean no light day 1

Exp		Plant 1		Plant 2		Plant 3		Plant 4		Plant 5		Plant 6		Plant 7		Plant 8		Plant 9		Plant 10	
Date	Day #	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)
11/02/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/03/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/16		0	0	0	11	0	0	0	12	0	39	0	12	0	38	0	36	0	24	0	3
11/08/16		0	12	0	30	0	4	0	16	0	67	0	37	0	42	0	73	0	40	0	12
11/09/16		0	12	0	48	0	4	0	20	0	112	0	52	0	39	0	94	0	45	0	25
11/10/16		0	24	0	71	0	7	0	52	0	155	0	70	0	41	0	112	0	79	0	33
11/14/16																					
11/15/16																					
11/16/16	14																				

## Millet 2 no light day 2

Exp		Plant 1		Plant 2		Plant 3		Plant 4		Plant 5		Plant 6		Plant 7		Plant 8		Plant 9		Plant 10	
Date	Day #	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)
11/03/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/04/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/16		1	8	2	10	4	12	11	14	9	13	4	10	4	10	9	16	3	6	3	7
11/08/16		4	12	5	24	8	19	16	20	15	19	12	16	6	20	19	23	7	12	5	14
11/09/16		8	16	12	24	18	21	17	25	23	26	16	19	12	29	25	32	8	14	6	17
11/10/16		9	23	18	28	24	28	20	31	28	36	24	21	23	37	38	45	14	20	12	32
11/14/16																					
11/15																					
11/16/16																					
11/17/16	14																				

## Millet 1 full light day 2

Exp		Plant 1		Plant 2		Plant 3		Plant 4		Plant 5		Plant 6		Plant 7		Plant 8		Plant 9		Plant 10	
Date	Day #	Hypocotyl Length (mm)	Radicle Length (mm)	Radicle Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)
11/03/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/04/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2																				
	3																				
11/07/16	4	1	0	3	4	1	3	1	0	3	6	4	6	1	5	2	6	2	4	0	0
11/08/16	5	2	12	10	8	6	12	7	20	8	15	12	19	5	10	15	26	9	14	0	4
11/09/16	6	3	11	16	12	9	14	10	20	12	18	17	20	6	17	17	40	10	14	2	5
11/10/16	7	4	13	18	29	23	24	17	32	21	36	40	29	8	26	22	42	16	18	4	7
	8																				
	9																				
	10																				
	11																				
	12																				
	13																				
	14																				



## Millet 2 full light day 2

Exp		Plant 1		Plant 2		Plant 3		Plant 4		Plant 5		Plant 6		Plant 7		Plant 8		Plant 9		Plant 10	
Date	Day #	Hypocotyl Length (mm)	Radicle Length (mm)	hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)
11/03/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/04/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2																				
	3																				
11/07/16	4	2	1	4	9	0	0	0	0	0	8	1	5	1	4	2	5	0	0	1	4
11/08/16	5	6	3	8	14	2	8	2	7	0	16	4	13	4	8	6	12	2	3	4	10
11/09/16	6	9	4	8	25	4	17	8	12	0	18	8	20	8	21	17	27	7	11	12	30
11/10/16	7	12	4	10	26	16	21	12	13	0	18	12	24	12	22	24	36	12	19	16	39
	8																				
	9																				
	10																				
11/14/16	11																				
11/15/16	12																				
11/16/16	13																				
11/17/16	14																				

## Millet 2 half light day 2

Exp		Plant 1		Plant 2		Plant 3		Plant 4		Plant 5		Plant 6		Plant 7		Plant 8		Plant 9		Plant 10	
Date	Day #	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)
11/02/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/03/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/16		1	7	1	5	1	6	2	6	3	7	3	8	2	7	0	0	2	7	1	6
11/08/16		4	13	3	23	3	12	3	21	7	16	7	12	6	14	4	8	6	10	9	19
11/09		6	22	5	24	4	29	5	31	12	19	14	18	13	23	12	20	12	15	12	24
11/10/16		10	24	6	32	6	32	8	33	13	25	16	24	19	42	14	20	18	19	15	28
11/14/16																					
11/15/16																					
11/16/16																					
11/17/16	14																				

# Millet 2 no light day 1

Exp		Plant 1		Plant 2		Plant 3		Plant 4		Plant 5		Plant 6		Plant 7		Plant 8		Plant 9		Plant 10	
Date	Day #	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)
11/02/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/03/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/04/16	2	0	6	0	11	0	10	0	2	0	3	0	5	0	12	0	7	0	6	0	15
	3																				
	4																				
11/07/16	5	22	78	13	58	12	23	20	55	0	20	9	23	18	24	23	51	14	41	13	85
11/08/16	6	39	93	26	87	18	39	22	57	0	35	11	23	19	28	37	96	26	73	33	98
11/09/16	7	52	105	41	110	18	39	22	59	0	36	11	23	22	29	51	101	50	94	52	114
11/10/16	8	56	108	48	110	18	39	25	60	0	51	12	25	30	29	63	103	59	98	55	117
	9																				
	10																				
	11																				
11/14/16	12																				
11/15/16	13																				
11/16/16	14																				

## Rye 1 full light day 2

Exp		Plant 1		Plant 2		Plant 3		Plant 4		Plant 5		Plant 6		Plant 7		Plant 8		Plant 9		Plant 10	
Date	Day #	Hypocotyl Length (mm)	Radicle Length (mm)	hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)
11/03/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/04/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2																				
	3																				
11/07/16	4	0mm	4mm	5mm	7mm	4.8mm	4mm	7mm	6mm	9mm	6mm	10mm	5mm	12mm	9mm	22mm	0	0	12mm	20mm	
11/08/16	5	40	30	11	35	13	40	22	50	41	90	55	40	37	70	40	50	10	25	61	50
11/09/16	6	35	20	10	20	15	10	17	15	35	10	37	10	25	15	26	14	10	15	54	33
11/10/16	7	53	24	25	25	34	15	25	18	43	52	48	30	40	28	34	34	25	3	65	40
	8																				
	9																				
	10																				
11/14/16	11																				
11/15/16	12																				
11/16/16	13																				
11/17/16	14																				

## Rye 2 full light day 2

Exp		Plant 1		Plant 2		Plant 3		Plant 4		Plant 5		Plant 6		Plant 7		Plant 8		Plant 9		Plant 10	
Date	Day #	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)
11/03/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/04/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2																				
	3																				
11/07/16	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/08/16	5	0	6	0	0	0	0	0	0	0	4	0	5	0	0	0	0	0	4	na	na
11/09/16	6	3	6	0	0	0	5	32	44	34	49	35	25	35	25	39	25	17	20	55	34
11/10/16	7	5	5	0	0	0	0	5	4	5	3	0	0	0	0	0	0	0	0	0	0
	8																				
	9																				
	10																				
11/14/16	11																				
11/15/16	12																				
11/16/16	13																				
11/17/17	14																				

## Rye 1 half light day 2

Exp		Plant 1		Plant 2		Plant 3		Plant 4		Plant 5		Plant 6		Plant 7		Plant 8		Plant 9		Plant 10	
Date	Day #	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)
11/03/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/04/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2																				
	3																				
11/07/16	4	5mm	9mm	5mm	15mm	7mm	15mm	9mm	29mm	8mm	27mm	10mm	9mm	7mm	22mm	12mm	24mm	0mm	0mm	12mm	20mm
11/08/16	5	28	27	24	26	23	49	22	49	34	41	26	48	17	24	17	39	26	28	23	29
11/09/16	6	38	25	25	70	40	69	24	48	45	45	40	45	25	26	20	24	38	50	35	29
11/10/16	7	55	40	35	24	60	90	40	40	70	50	70	58	40	20	20	60	40	60	50	20
	8																				
	9																				
	10																				
11/14/16	11																				
11/15/16	12																				
11/16/16	13																				
11/17/16	14																				

## Rye 2 half light day 1

Date	Day #	Plant 1		Plant 2		Plant 3		Plant 4		Plant 5		Plant 6		Plant 7		Plant 8		Plant 9		Plant 10	
		Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)
11/02/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/03/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/04/16	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3																				
	4																				
11/07/16	5	0	0	20	30	16	48	20	47	14	23	23	42	0	2	13	24	0	8	0	0
11/08/16	6	36	40	31	56	31	53	19	34	32	49	41	60	0	4	23	33	3	30	0	0
11/09/16	7	51	53	44	63	41	62	34	54	40	52	60	69	1	10	34	44	6	43	0	0
11/10/16	8	54	55	50	65	41	65	43	62	56	52	74	72	5	16	42	57	13	45	0	0
	9																				
	10																				
	11																				
11/14/16	12																				
11/15/16	13																				
11/16/16	14																				

## Rye 1 no light day 2

Exp		Plant 1		Plant 2		Plant 3		Plant 4		Plant 5		Plant 6		Plant 7		Plant 8		Plant 9		Plant 10	
Date	Day #	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)
11/03/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/04/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2																				
	3																				
11/07/16	4	0	0	30mm	54mm	28mm	30mm	0mm	20mm	0	0	0	0	15mm	40mm	0	11	22mm	40mm	0	0
11/08/16	5	0	0	31	56	32	65	28	63	30	70	0	0	32	54	0	20	22	40	40	0
11/09/16	6	15	25	60	51	40	58	5	10	0	0	0	0	45	80	40	40	40	40	30	50
11/10/16	7	60	85	0	0	60	70	0	0	70	95	50	100	60	90	0	0	0	0	0	0
	8																				
	9																				
	10																				
11/14/16	11																				
11/15/2016	12																				
11/16/16	13																				
11/17/16	14																				



## Rye 2 no light day 1

Exp		Plant 1		Plant 2		Plant 3		Plant 4		Plant 5		Plant 6		Plant 7		Plant 8		Plant 9		Plant 10	
Date	Day #	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)	Hypocotyl Length (mm)	Radicle Length (mm)
11/02/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/03/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/04/16	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3																				
	4																				
11/07/16	5	0	0	27	44	24	35	2	21	0	0	0	0	12	33	20	52	17	34	3	21
11/08/16	6		12	47	47	38	54	3	23	0	2	0	0	17	47	34	61	30	44	14	29
11/09/16	7	11	24	58	48	41	54	3	14	0	2	0	26	55	48	65	46	54	29	53	
11/10/16	8	21	31	62	50	44	55 (broke off)		22	5	8	0	0	39	57	59	69	58	63	40	59
	9																				
	10																				
	11																				
11/14/16	12																				
11/15/16	13																				
11/16/16	14																				