

LAB MEASUREMENTS

SP93 SPRG. WK1

LOCATION	BLOCK	TRANS.	PLANT	CULM LENGTH	# SEED HEADS	CULM WT.	# seeds	seeds wt.	# culm.
MET U	1	1	1	26.7	1	.0718	0		
MET U	1	4	4	28.2	2	.0737	1		
MET U	2	1	3	20.1	2	.1232	0		
MET U	2	1	6	21.2	2	.0504	0		
MET U	2	2	3	27.5	2	.0617	0		
MET U	2	2	4	20.5	2	.0463	0		
MET U	2	2	7	22.1	1	.0394	1		
MET U	2	4	6	22.2	2	.1022	0		
MET U	2	4	6	33.7	2	.0890	0		
24	1	1	1	9.0	1	.0142	0		
24	1	1	2	15.0	2	.0486	1		
24	1	2	2	14.7	2	.0345	1		
24	1	2	2	15.1	2	.0616	0		
24	1	1	3	18.5	1	.0338	0		
24	1	2	7	18.0	2	.0466	0		
24	1	2	8	19.6	2	.0711	0		
24	1	2	8	20.4	2	.0968	0		
24	1	3	1	15.0	1	.0309	0		
24	1	3	2	14.7	1	.0206	1		
24	1	3	2	22.1	1	.0501	0		
24	1	3	4	15.5	1	.0420	0		
24	1	3	5	17.2	1	.0636	0		
24	1	3	7	20.0	2	.0453	1		
24	1	4	8	12.0	2	.0251	0		
24				13.5	1	.0252	0		
24				14.5	2	.0432	0		
24	2	1	3	21.0	2	.0307	0		
24	2	1	5	23.5	2	.0630	0		
24	2	1	8	19.2	2	.0580	0		
24	2	1	8	14.0	2	.0545	0		
24	2	2	6	27.0	2	.0656	3		
24	2	2	7	19.8	1	.0451	0		
24	2	2	7	13.1	1	.0214	1		
24	2	4	1	7.5	1	.0193	0		
24	2	4	1	6.3	2	.0129	0		
24	2	4	7	16.0	2	.0245	0		
24	3	1	8	19.0	2	.0653	1		
24	3	2	2	17.0	1	.0307	1		
24	3	2	3	8.4	1	.0187	0		
24				12.6	1	.0391	0		
24				5.5	1	.0229	0		
24				11.9	1	.0356	0		
24	3	3	4	5.4	2	.0170	no culms in envelope		
24	3	4	8	5.5	2	.0289	0		
24				11.4	1	.0705	0		


☒ SP93 SPRG. WK1

21 NUN

Location	Block	TRANS.	PLANT	Culm Length	# seed Heads	Culm WT.	# seeds	seeds wt.	# Culm
21 NUN	1	1	5	24.2	1	.0572	0		
21 NUN	1	3	5	16.9	1	.0450	1		
21 NUN	2	2	7	5.7	1	.0169	0		
21 NUN	2	4	7	21.8	1	.0411	0		
21 NUN	2	4	7	21.3	2	.0601	2		

21 N G

21 N G	1	1	1	11.4	1	.0175	0		
21 N G	1	2	1	19.0	2	.0386	0		
21 N G	1	2	3	17.5	1	.0286	0		
21 N G	2	3	5	10.4	1	.0184	0		
21 N G	2	3	6	25.1	2	.0568	0		

E.S.A.

ESA	1	1	2	7.9	1	.0258	0		
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GS

LOCATION	BLOCK	TRANS.	PLANT	Culm Length	#SEED HEAD	Culm wt.	# seeds	seeds wt.	#culm
GS	1	1	1	20.8	1	.0461	2		
GS	1	1	5	20.0	1	.0329	4		
GS	1	1	8	11.1	1	.0329	0		
GS	1	2	8	30.0	2	.0773	0		
				19.0	2	.0580	0		
				17.5	2	.0381	0		
				26.4	2	.0746	0		
				26.6	2	.0681	0		
				24.9	2	.0547	0		
GS	1	3	8	19.9	1	.0294	0		
GS	1	4	1	20.2	1	.0436	0		
	1	4	3	15.5	1	.0296	0		
				17.7	1	.0352	0		
				18.0	1	.0329	0		
GS	2	2	1	8.8	1	.0338	0		
GS	2	2	3	12.4	1	.0244	0		
GS	2	3	3	19.0	1	.0427	0		
GS	2	3	4	17.4	2	.0609	0		
				19.5	2	.0533	0		
GS	2	3	6	17.5	1	.0413	0		
GS	2	4	8	16.6	1	.0163	3		
GS	3	1	1	4.7	1	.0160	0		
				8.3	2	.0158	0		
GS	3	1	6	9.6	1	.0183	0		
GS	3	2	5	16.0	1	.0382	0		
GS	3	3	1	14.7	1	.0300	0		
				6.5	1	.0113	0		
GS	3	3	4	15.4	2	.0303	0		
GS	3	3	7	7.7	1	.0096	1		
GS	3	3	8	16.0	2	.0600	0		


☒ SP93SPRG.WK1

HG

	Location	Block	Trans	Plant	Culm Length	# Seed Heads	Culm WT.	# seeds	seeds wt.	# culm
	HG	1	1	6	16.2	2	.0343	0		
	HG	1	1	6	14.5	2	.0255	0		
	HG	1	1	6	21.0	1	.0661	2		
	HG	1	1	8	8.4	1	.0143	0		
	HG	1	2	2	28.1	1	.1221	0		
	HG	1	2	2	23.0	2	.0956	0		
	HG	1	2	3	9.7	1	.0234	0		
	HG	1	2	3	15.1	1	.0273	0		
	HG	1	2	3	13.5	1	.0248	0		
	HG	1	2	3	25.2	1	.0420	1	envelope read 20.7	for culm long
	HG	1	2	4	12.6	2	.0950	0		
	HG	1	2	8	14.8	1	.0460	0		
	HG	1	3	3	21.0	2	.0617	0		
	HG	1	3	7	8.7	2	.0650	0		
	HG	1	4	2	26.8	2	.0649	1		
	HG	1	4	4	15.8	1	.0361	3		
	HG	1	4	5	8.5	2	.0516	0		
	HG	2	1	3	13.7	2	.0437	0		
	HG	2	1	3	8.8	1	.0350	0		
	HG	2	1	4	14.4	1	.0171	5		
	HG	2	1	7	15.3	1	.0380	7		
	HG	2	1	7	15.0	1	.0330	0		
	HG	2	1	8	29.5	1	.0883	0		
	HG	2	1	8	26.8	1	.0558	0		
	HG	2	2	5	15.0	1	.0305	0		
	HG	2	3	1	6.1	1	.0232	1		
	HG	2	3	1	5.5	1	.0114	0		
	HG	2	3	1	5.1	1	.0175	0		
	HG	2	3	3	32.2	2	.1243	4		
	HG	2	4	1	16.9	2	.0802	0		
	HG	2	4	7	7.8	1	.0205	0		
	HG	2	4	8	14.1	1	.0328	0		
	HG	3	1	1	7.7	1	.0360	2		
	HG	3	1	8	11.1	1	.0310	0		
	HG	3	1	8	15.1	1	.0354	0		
	HG	3	2	2	13.2	1	.0238	0		
	HG	3	2	4	10.2	1	.0244	0		
	HG	3	2	6	10.9	1	.0246	0		
	HG	3	3	3	12.2	2	.0474	0		
	HG	3	3	6	9.1	2	.0190	0		
	HG	3	4	1	11.2	2	.0368	0		
	HG	3	4	5	15.1	2	.0354	0		

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☒ SP 93 SPRG. WKT

	LOCATION	BLACK	TRANS	PLANT	CULM LENGTH	# SEED HEADS	CULM WT.	# seeds	seeds wt.	# culm
✓	MET G	1	1	1	36.9	1	.1576	0		
					32.0	2	.0913	0		
✓	MET G	1	1	4	21.5	2	.0567	0		
✓	MET G	1	2	1	21.0	2	.0428	0		
✓	MET G	1	2	3	11.7	2	.0830	1		
✓	MET G	1	2	5	22.0	2	.0669	0		
					12.0	1	.0250	0		
✓	MET G	1	2	6	17.0	1	.0424	0		
✓	MET G	1	2	8	21.4	1	.0498	0		
✓	MET G	1	3	1	20.8	1	.0338	0		
✓	MET G	1	3	3	28.0	2	.1634	14		
					14.8	1	.0403	2		
✓	MET G	1	3	4	32.5	1	.1198	2		
✓	MET G	1	3	5	30.1	1	.0964	0		
✓	MET G	1	3	8	25.9	2	.0985	11		
✓	MET G	1	4	2	26.5	1	.0470	1		
					17.5	1	.0372	0		
✓	MET G	1	4	4	23.8	1	.0590	0		
✓	MET G	1	4	6	21.6	1	.0582	0		
					21.5	1	.0606	0		
	MET G	1	4	8	21.7	1	.0386	0		
✓	MET G	2	1	6	24.8	1	.0803	0		
					30.9	1	.0883	1		
✓	MET G	2	1	8	22.8	2	.0941	3		
					33.0	1	.0783	2		
					17.1	2	.0260	0		
✓	MET G	2	2	1	26.8	2	.1030	9		
✓	MET G	2	2	2	32.9	1	.1245	2		
✓	MET G	2	2	3	14.0	2	.0656	0		
✓	MET G	2	2	4	29.1	2	.1147	0		

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☒ SP93SPRG.WK1

	LOCATION	BLOCK	TRANSECT	PLANT	CULM LENGTH	# SEED HEADS	CULM Wt.	# seeds	seeds wt.	# culm
✓	MET G	2	3	3	34.8 22.2 11.2 6.7	2 2 1 1	.1567 .0866 .0334 .0230	0 0 0 0		
✓	MET G	2	3	4	21.5	2	.0670	0		
✓	MET G	2	3	5	21.4 15.8 20.5	2 2 2	.0495 .0448 .0727	0 1 0		
✓	MET G	2	3	6	39.0	2	.1800	0		
✓	MET G	2	3	8	25.7 18.0	3 1	.1322 .0381	1 0		
✓	MET G	2	4	1	30.1	2	.1202	0		
gm	MET G	2	4	2	16.4	1	.0279	0		
✓	MET G	2	4	3	8.0	1	.0567	0		
✓	MET G	2	4	4	25.7	2	.0754	2		
✓	MET G	2	4	5	23.4 16.5 26.3	1 1 2	.0435 .0302 .0466	0 0 0		
✓	MET G	2	4	8	21.0 26.6	2 2	.1066 .0791	0 0		
✓	MET G	3	1	1	19.8 24.8 22.7	2 1 2	.0573 .0548 .0536	3 6 2		
✓	MET G	3	1	3	19.7	1	.0503	0		
✓	MET G	3	2	7	30.0 4.5	1 1	.1224 .0613	0 2		
✓	MET G	3	2	8	27.5 23.8 22.0	1 1 1	.0856 .0551 .0427	1 0 0		
✓	MET G	3	3	2	25.4	1	.0579	4		
✓	MET G	3	3	3	16.3	2	.0499	2		
✓	MET G	3	3	5	11.7	2	.0534g	9		

☒ SP93SPRG.WK1

	LOCATION	BLOCK	TRANSECT	PLANT	CULM LENGTH	# SEED HEADS	CULM WT.	# seeds	seeds wt.	# culm
✓	MET G	3	3	7	12.8	2	.0434	0		
✓	MET G	3	4	3	10.6	1	.0358	0		
✓	MET G	3	4	4	11.8	1	.0297	3 envelope read 11.4 cm for		
✓	MET G	3	4	5	26.0	2	.0946	3		
✓	MET G	3	4	8	27.2	3	.0866	0		
✓	O.C.	1	1	1	33.7	1	.1301	0		
					20.0	1	.0573	0		
					31.3	1	.1332	0		
✓	O.C.	1	1	3	39.4	1	.1392	2		
✓	O.C.	1	1	5	15.5	1	.0572	1		
					29.0	2	.1410	0		
					30.1	2	.1016	1		
✓	O.C.	1	1	7	10.1	1	.0187	0		
					22.5	1	.0412	0		
✓	O.C.	1	2	1	20.2	1	.0422	0		
✓	O.C.	1	2	2	31.0	1	.1016	3		
✓	O.C.	1	2	3	30.4	1	.0725	0		
					6.6	1	.0150	0		
					29.2	2	.1017	1		
✓	O.C.	1	2	4	48.0	2	.1835	20		
					29.0	1	.0773	5		
✓	O.C.	1	2	5	44.8	1	.2014	7		
✓	O.C.	1	2	6	30.7	1	.1003	3		
✓	O.C.	1	3	1	47.6	2	.2514	5		
✓	O.C.	1	3	2	27.2	2	.0660	5		
✓	O.C.	1	3	4	27.3	2	.0999	0		
					29.6	2	.1105	0		
✓	O.C.	1	3	5	32.0	1	.0880	4		
✓	O.C.	1	3	6	29.0	1	.0758	1		

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	LOCATION	BLOCK	TRANSECT	PLANT	Culm LENGTH	# SEED HEADS	Culm wt.	# seeds	Seeds wt.	# Culm
✓	O.C.	1	3	7	28.5	1	.0763	0		
✓	O.C.	1	4	1	26.4	2	.0851	2		
✓	O.C.	1	4	2	28.3	1	.0815	1		
✓	O.C.	1	4	3	34.9 35.5	1 1	.1248 .1671	19 8		
✓	O.C.	1	4	5	39.9 43.0	2 3	.2105 .2093	3 6		
✓	O.C.	1	4	6	22.2 29.7 24.8	1 2 2	.0489 .0975 .0669	0 2 0		
✓	O.C.	2	1	1	33.2	2	.1233	23		
✓	O.C.	2	1	2	31.0 15.4 19.1 28.4 35.1	2 2 1 2 2	.1162 .1227 .0484 .0844 .1184	2 1 4 1 3		
✓	O.C.	2	1	3	39.0	2	.1441	8		1
✓	O.C.	2	1	5	31.2	2	.1111	0		
✓	O.C.	2	1	7	19.7 16.0	1 1	.0370 .0261	0 0		
✓	O.C.	2	1	8	35.6 30.0	2 1	.1303 .1379	0 0		
✓	O.C.	2	3	5			EMPTY	Bag		
✓	O.C.	2	2	4	24.0	2	.0532	2		
✓	O.C.	2	2	5	24.7	1	.0508	1		
✓	O.C.	2	2	5	37.4	1	.1307	1		
✓	O.C.	2	2	7	35.7	1	.1319	0		
✓	O.C.	2	3	1	37.1	1	.1302	2		
✓	O.C.	2	3	4	46.6	2	.2233	0		
✓	O.C.	2	3	6	25.5	1	.0528	0		

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	LOCATION	BLOCK	TRANSECT	PLANT	Culm LENGTH	# SEED HEADS	Culm Wt.	# seeds	Seeds wt.	# Culms
✓	O.C.	2	3	8	40.2	1	.1693	1		
✓	O.C.	2	4	2	26.8	2	.0610	0		
✓	O.C.	2	4	3	28.8	2	.0961	1		
					13.4	1	.0419	0		
					29.0	2	.0725	0		
					22.0	2	.0531	0		
					25.8	2	.0791	0		
					22.6	3	.1143	0		
✓	O.C.	2	4	8	11.1	1	.0349	0		
✓	O.C.	2	4	6	50.3	2	.2508	0		
✓	O.C.	2	4	7	26.6	1	.0484	0		
✓	O.C.	3	1	1	16.9	1	.0614	0		
✓	O.C.	3	1	5	15.8	1	.1036	0		
					37.5	2	.1414	1		
✓	O.C.	3	1	6	29.0	2	.0726	0		
✓	O.C.	3	1	8	37.6	1	.1052	7		
					33.5	1	.1017	7		
should be 2 1/4	✓	O.C.	3	2	(4) 1	27.2	.0641	2		
✓	O.C.	3	2	2	42.1	2	.2174	5		
					21.1	2	.0984	0		
✓	O.C.	3	2	6	29.8	1	.1055	0		
✓	O.C.	3	2	7	28.3	1	.0713	0		
					22.5	1	.1905	0		
✓	O.C.	3	2	8	19.3	1	.0606	2		
					25.8	1	.1393	3		
					22.7	2	.0836	0		
✓	O.C.	3	3	2	44.1	2	.2765	0		
✓	O.C.	3	3	5	39.3	1	.1482	0		
					34.4	2	.1102	5		
✓	O.C.	3	3	8	33.7	1	.0700	7		
					31.4	2	.1047	0		
✓	O.C.	3	4	1	27.9	1	.0846	0		

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	LOCATION	BLOCK	TRANSECT	PLANT	CULM LENGTH	# SEED HEADS	CULM WT.	# seeds	seeds wt.	# culm.
✓	O.C.	3	4	3	24.2	1	.0371	0		
✓	O.C.	3	4	4	28.9	1	.0307	4		
✓	O.C.	3	4	5			NO PLANT IN BAG			
✓	O.C.	3	4	6	31.3	1	.1020	4		
6 seeds	O.C.	3	4	7	31.6	2	.1870	(5)6		
✓	O.C.	3	4	8	29.0	2	.1143	0		
					28.9	2	.1142	0		
~~~~~										
✓	25 SE	1	1	6	15.4	1	.0227	1		
✓	25 SE	1	3	1	22.6	2	.0577	2		
✓	25 SE	1	3	8	15.9	1	.0292	2		
✓	25 SE	2	4	2	25.6	2	.0774	4		
✓	25 SE	3	4	6	9.1	2	.0346	0		
✓	25 SE	3	4	8	16.1	1	.0404	0		