Southwest Uniform Peanut Performance Test

2024 Shelling Results

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http://varietytesting.tamu.edu/peanuts/

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Beginning in 2024, the Southwest Uniform Peanut Performance Test (SWUPPT) was established to provide a regional evaluation of advanced peanut breeding lines specifically suited for production in the Southwest. This initiative shifts the focus from a broad national testing program to a regionally tailored model that prioritizes cultivars best adapted to the environmental and production challenges of the Southwest. The SWUPPT is designed to facilitate a more targeted approach to peanut breeding by ensuring that selections are tested under conditions representative of key production areas in this region.

The SWUPPT is conducted across five locations in three states and involves participation from 2 university systems as well as the United States Department of Agriculture-Agricultural Research Service. This structure enables comprehensive, multi-environment testing while maintaining efficiency in regional adaptability assessments. The primary objective of the SWUPPT is to evaluate new breeding lines for their yield potential, disease resistance, and overall agronomic performance under the specific climatic and soil conditions of the Southwest.

While the focus has shifted to regional adaptability, the SWUPPT remains connected to the broader national peanut research network. The program continues to collaborate with other regions by participating in cooperative shelling data analysis, ensuring that promising lines from the Southwest can still be benchmarked against those tested elsewhere in the U.S. This cooperative data sharing enhances the broader peanut breeding efforts and provides valuable insights into the performance of breeding lines beyond the Southwest.

Each year, a carefully curated selection of advanced breeding lines is evaluated in the SWUPPT alongside appropriate check cultivars representative of the region's market needs. New entries are accepted for a designated period, with preliminary selection based on multi-year yield and agronomic performance. This ensures that only the most promising cultivars advance in the breeding pipeline, ultimately benefiting Southwest peanut growers with varieties tailored to their specific production environments.

This document highlights an indepth shelling analysis of each line at each location submitted each year. The Analysis is conducted by the USDA ARS in Dawson, Ga. At that location lab houses a small sheller that allows comparisons to commercial scale operations.

2024 SWUPPT Cooperators

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Location 70
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Location 76
Naveen Puppala, Ph. D
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2024 Entries

1 . ARSOK R106-9L
2 . ARSOK R109-1L
3 . ARSOK S104-2E
4 . ARSOK S58-B[R]
5 . ARSOK V99
6 . Comrade (ck)
7 . Georgia-09B (ck)
8 . Lariat (ck)
9 . NM MO-1
10 . NM MO-2
11 . NM MO-3
12 . NM MO-4
13 . Schubert (ck)
14 . Span17 (ck)
15 . TP200625-3-2
16 . TP210656-2-1
17 . TP220694-5-1
18 . Tx144370
19 . TXL 100212-03-03
20 . Valencia C (ck)

Local Options

21 . TP220688-6-1

Location Information

Location:	Loc 62	Loc 63	Loc 70	Loc 75	Loc 76
Contributing Author:	Mark Burow Texas A&M AgriLife Research , Stephenville, TX	John Cason Texas A&M AgriLife Research , Stephenville , TX	Kelly Chamberlin Oklahoma Ag. Exp. Stn. , Ft. Cobb, OK	Waltram Ravelombola Texas A&M AgriLife Research , Vernon, TX	Naveen Puppala Lingo, NM
Type:	Spanish, Runner, Valencia, Virginia	Spanish, Runner, Valencia, Virginia	Spanish, Runner, Valencia, Virginia	Spanish, Runner, Valencia, Virginia	Spanish, Runner, Valencia, Virginia
Year:	-	2024	2024	2024	2024
Planted:	-	6/20/2024	5/7/2024	5/28/2024	5/14/2024
Dug:	-	11/4/2024,11/13/2024	10/04/2024 (Spanish, Val); 10/18/2024 (Runner, Virginia)	11/22/2024(* rain delayed digging)	9/25/2024, 10/16/2024
Picked:	-	11/12/2024, 11/20/2024	10/07/2024; 10/21/2024		9/30/2024, 11/22/2024
Design:	RCB	RCB	RCB	RCB	RCB
# Reps:	4	4	4	4	4
Plot Dimensions:	20	20	15 ft rows	20	12 ft
Row Pattern:	twin	twin	twin	twin	twin
Seeding Rate:	5 sd/ft	5 sd/ft	5 sd/ft	5 sd/ft	5 sd/ft
Yield/Acre Conversion (Plot):	-	-	484	-	-
Digging Method:	twin row digger	twin row digger	twin row digger	twin row digger	twin row digger
Windrow Type:	twin	twin	twin	twin	twin
Field Drying Time:	-	8 days, 7 days	3 days	-	5 days

Curing Method	-	forced air dryer	forced air dryer	forced air dryer	forced air dryer
	Loc 62	Loc 63	Loc 70	Loc 75	Loc 76
Curing Time:	-	3 days	3 days	-	-
Rainfall (inches):	-	5.4	9.29	-	-
Irrigation (inches):	-	13.5	14.65	-	-
Irrigation Dates:	-	-	see attached	-	-
Soil Series:	-	-		-	-
Soil Type:	-	Windthorst Fine Sany Loam	sandy clay loam	-	-
pH Level:	-	7.8	7.3	-	-
Phosphorus (lb/acre):	-	25lbs	36 (18 ppm)	-	-
Potassium (lb/acre):	-	30lbs	170 (85 ppm)	-	-
Calcium (lb/acre):	-	-	1818	-	-
Magnesium (lb/acre):	-	-	179	-	-
Gypsum:	-	-	-	-	-
Boron:	-	-	-	-	-
Lime:	-	-	-	-	-
Plant Growth Regulators:	-	-	-	-	-
Herbicides:	-	Prowl, Cadre, Select	-	-	-
Fungicides:	-	Bravo	-	-	-
Insecticides:	-	-	-	-	-
Nematicides:	-	-	-	-	-
Miticides:	-	-	-	-	-
Other:	-	-	-	-	-

SWUPPT Grading Information - Definition of Terms

Sample weight of grading samples (g):

Grade sample reps (#):

% Fancy Pods = % wt. of pods riding rollers spaced 34/64” apart.

% TSMK (SMK + SS)= Total % Sound Mature Kernels, including sound splits, that ride appropriate minimum grade screen.

% OK = % Other Kernels passing 15/64” X 1” slotted screen for Virginias, 15/64” X 3/4” for Spanish, or 16/64” X 3/4” for Runner. (Sound splits and damaged splits have been removed from the “pass thru”).

% DK = % Visually damaged (VD), % Concealed damage (CD), and their sum = % Total Damage (TD), including damaged splits.

% Meats = Everything but the shells. (Including OK + SS + TD + SMK). Sometimes called “Shelling %”.

% ELK = % Kernels riding a 21.5/64” X 1” slotted screen for virginia and 21/64” X 3/4” screen for runner.

% Medium = % Kernels riding a 18/64” but falling through a 21.5/64” or 21/64” screen.

% No. 1 = % Kernels riding a minimum grade screen (16/64” for runner and 15/64 for virginia) but falling through a 18/64”.

g/100 SMK = Gram-weight per 100 sound and mature kernels riding appropriate screen.

PHYSICAL PROPERTY EXECUTIVE SUMMARY

AVERAGE FOR ENTRIES FROM ALL LOCATIONS

2024 SouthWest UPPT Runner/Virginia

		Georgia-09B	TP200625-3-2	Tx144370	ARSOK R109-1L	TXL100212-03-03	Lariat	ARSOK R109-9L	Comrade	TP220694-5-1	ARSOK V99				
Shelling Outturn (%)	Jumbos/Elk	39.3	30.9	26.2	32.8	45.2	49.1	35.7	58.5	51.3	60.4				
	Mediums	30.8	38.5	35.1	37.0	29.2	26.7	32.4	4.5	8.4	9.6				
	Number 1's	5.5	7.6	7.0	6.7	4.3	2.8	5.5	2.1	5.9	6.9				
	Oil Stock	5.2	7.1	6.8	5.6	4.0	4.6	4.6	1.7	5.7	4.1				
	Splits	19.3	16.0	24.9	17.8	17.3	16.7	21.8	33.1	28.7	19.0				
Seed Count/lb	Jumbos/Elk	649	628	660	569	566	528	566	390	493	458				
	Mediums	758	710	663	691	644	600	789	660	745	731				
	Number 1's	1236	1156	1131	1036	1034	999	1106	1014	1129	1026				
	Splits	1431	1441	1405	1342	1243	1281	1333	765	982	925				
1st Stage Shelling Rate (lb/hr)		235	220	255	251	254	281	229	226	206	223				
Moisture Content (%)	Jumbos/Elk	5.4	5.5	5.5	5.4	5.3	5.3	5.2	5.4	5.4	5.4				
	Mediums	5.5	5.5	5.5	5.5	5.4	5.3	5.3	5.5	5.4	5.6				
	Number 1's	5.7	5.7	5.6	5.5	5.5	5.5	5.4	5.8	5.5	5.8				
	Splits	5.5	5.5	5.5	5.4	5.3	5.3	5.3	5.5	5.4	5.4				
FS Bulk Density (lb/ft3)		15.86	15.41	16.22	15.00	17.17	16.97	16.76	12.40	13.48	12.10				

PHYSICAL PROPERTY EXECUTIVE SUMMARY

AVERAGE POD SIZE DISTRIBUTION FOR ENTRIES FROM ALL LOCATIONS

2024 SouthWest UPPT Runner/Virginia

Screen Size (64ths Inch)	Georgia-09B	TP200625-3-2	Tx144370	ARSOK R109-1L	TXL100212-03-03	Lariat	ARSOK R109-9L	Comrade	TP220694-5-1	ARSOK V99				
16	0	0	0	0	0	0	0	0	0	0				
18	0	0	0	0	0	0	0	0	0	0				
20	0	0	0	0	0	0	0	0	0	0				
22	0	0	0	0	0	0	0	0	0	0				
24	1	1	2	1	1	0	1	0	0	0				
26	2	3	6	3	2	3	5	0	1	0				
28	6	11	21	12	12	12	20	0	3	1				
30	15	26	39	27	22	30	30	1	6	2				
32	28	36	25	33	32	31	25	2	10	6				
34	32	19	7	18	24	17	14	5	20	15				
36	13	3	1	5	7	5	4	12	24	21				
38	2	1	0	1	1	1	0	22	20	23				
40	0	0	0	0	0	0	0	28	11	17				
42	0	0	0	0	0	0	0	27	4	12				
44	0	0	0	0	0	0	0	3	0	2				
46	0	0	0	0	0	0	0	0	0	0				
48	0	0	0	0	0	0	0	0	0	0				

PHYSICAL PROPERTY EXECUTIVE SUMMARY

AVERAGE SEED SIZE DISTRIBUTION FOR ENTRIES FROM ALL LOCATIONS

2024 SouthWest UPPT Runner/Virginia

Screen Size (64ths Inch)	Georgia-09B	TP200625-3-2	Tx144370	ARSOK R109-1L	TXL100212-03-03	Lariat	ARSOK R109-9L	Comrade	TP220694-5-1	ARSOK V99				
-12 + SS ft[1]	2	3	2	3	2	1	2	2	5	3				
12	1	1	1	0	0	1	1	0	0	0				
13	1	1	1	1	1	1	1	0	1	1				
14	1	2	1	1	1	1	1	0	1	1				
15	2	3	3	2	1	1	2	1	2	2				
16	2	3	3	3	2	1	2	1	2	2				
17	5	6	6	5	3	2	5	2	4	4				
18	7	8	10	10	6	4	10	2	5	5				
19	11	16	14	13	11	9	13	5	7	7				
20	20	22	23	22	18	19	18	10	11	10				
21	19	19	20	19	19	23	19	16	14	13				
22	14	11	10	11	15	18	12	16	13	12				
23	7	4	3	5	9	8	7	16	11	10				
24	6	2	2	4	8	6	6	16	12	12				
25	2	0	0	1	3	2	2	7	7	9				
26	0	0	0	0	1	0	0	3	3	5				
27	0	0	0	0	0	0	0	1	2	4				
28	0	0	0	0	0	0	0	0	0	1				
29	0	0	0	0	0	0	0	0	0	0				
30	0	0	0	0	0	0	0	0	0	0				

2024 SouthWest UPPT
Ga09B
POD BULK DENSITY TABLE

LOCATION 63

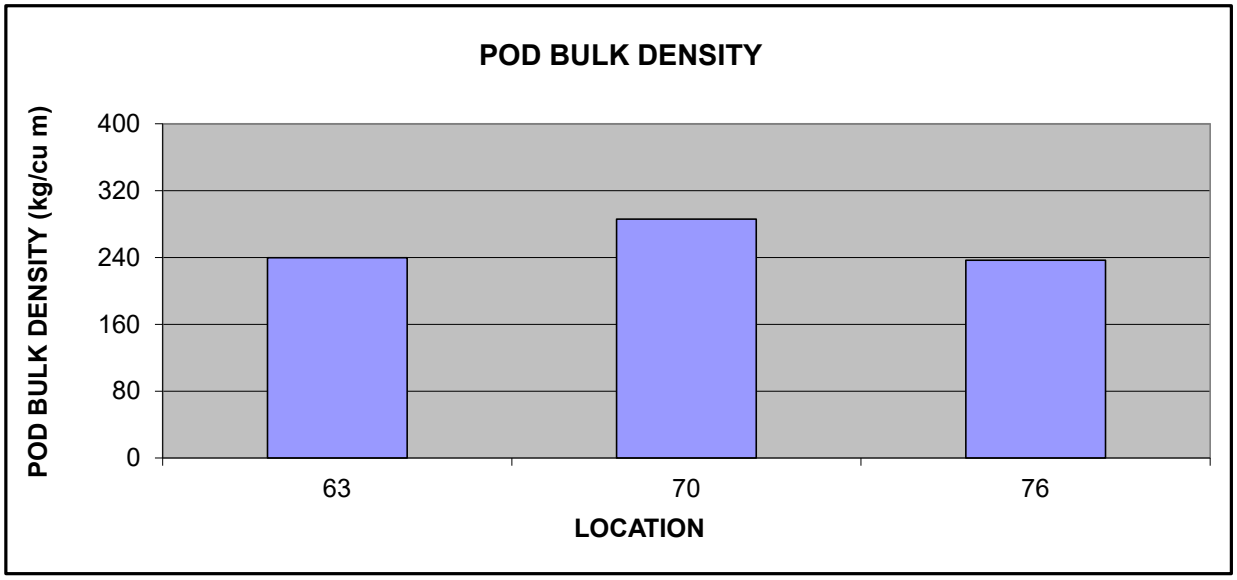
BULK	Kg	cm	Kg/m3
DENSITY	4.75	21.35	239.71

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.87	22.10	285.85

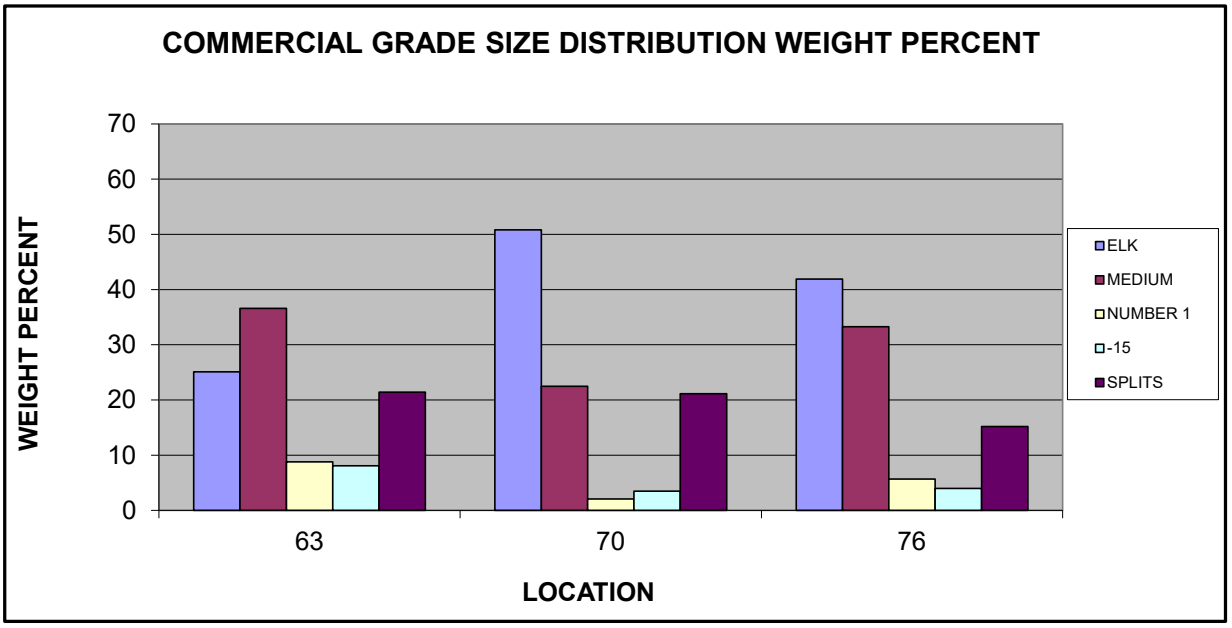
LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	5.44	24.73	236.75



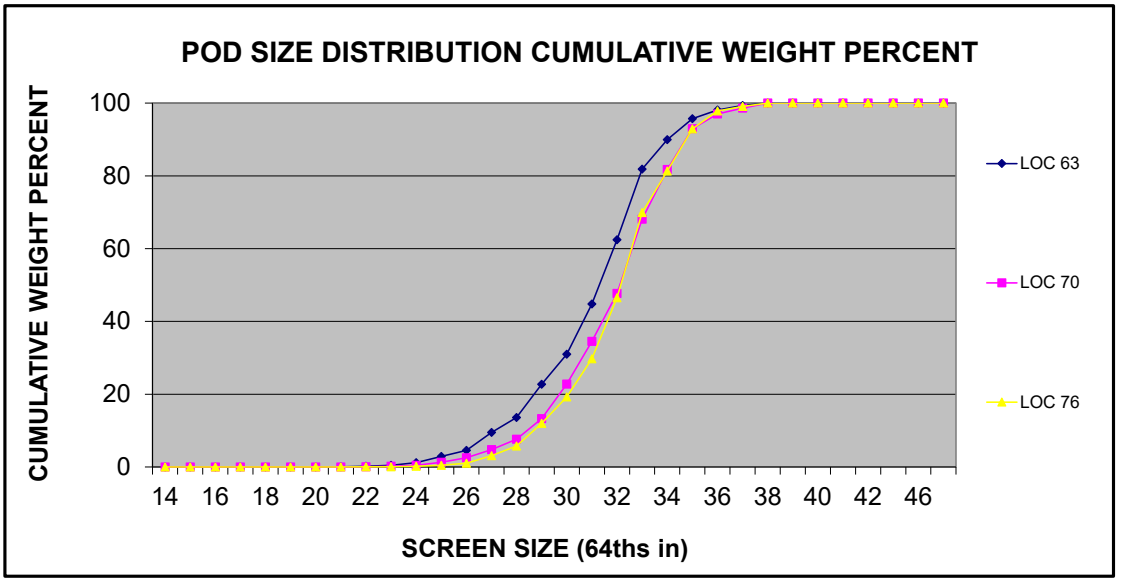
2024 SouthWest UPPT
Ga09B
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	25.09	JUMBO	50.82	JUMBO	41.91
MEDIUM	36.60	MEDIUM	22.48	MEDIUM	33.25
NUMBER 1	8.80	NUMBER 1	2.07	NUMBER 1	5.66
-15	8.08	-15	3.50	-15	3.97
SPLITS	21.43	SPLITS	21.13	SPLITS	15.21



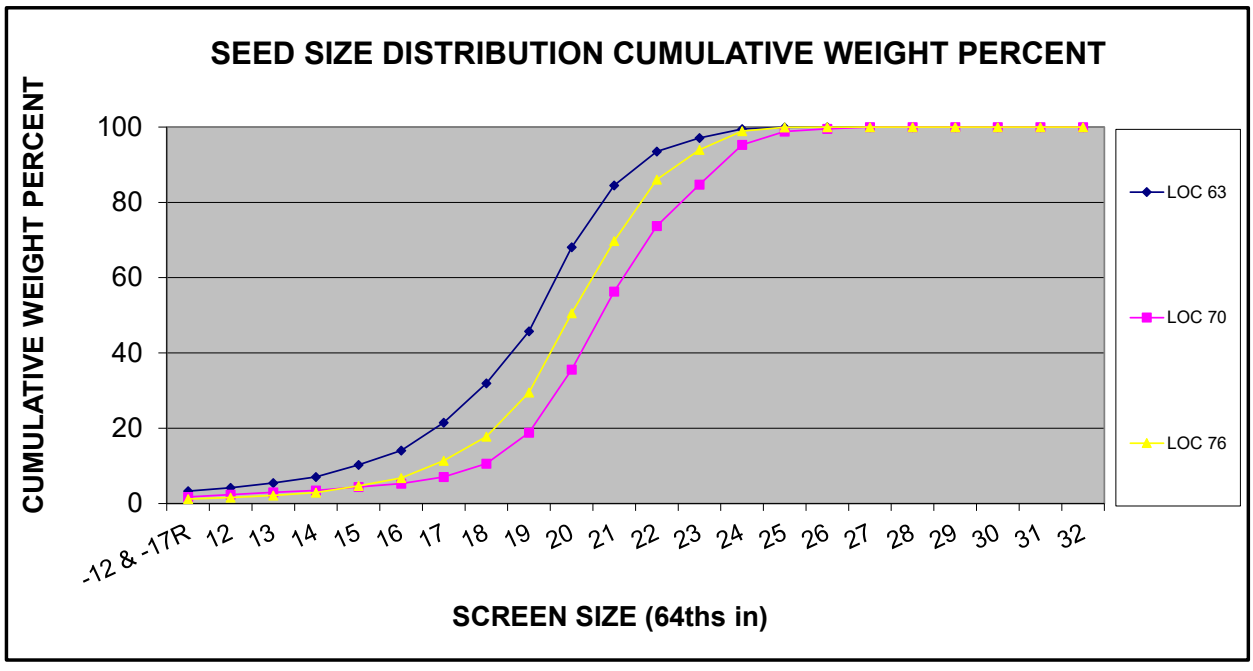
2024 SouthWest UPPT
Ga09B
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

SCREEN SIZE	LOCATION 63	70	76
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.00	0.00	0.00
21	0.05	0.00	0.00
22	0.18	0.05	0.02
23	0.46	0.18	0.04
24	1.17	0.44	0.22
25	2.91	1.31	0.48
26	4.58	2.52	1.05
27	9.50	4.77	3.11
28	13.60	7.63	5.75
29	22.74	13.26	11.99
30	31.00	22.79	19.23
31	44.79	34.53	29.72
32	62.42	47.71	46.50
33	81.86	68.10	69.90
34	89.94	81.76	81.33
35	95.72	92.95	92.89
36	98.08	97.03	97.83
37	99.33	98.62	99.07
38	100.00	100.00	100.00
39	100.00	100.00	100.00
40	100.00	100.00	100.00
41	100.00	100.00	100.00
42	100.00	100.00	100.00
44	100.00	100.00	100.00
46	100.00	100.00	100.00
48	100.00	100.00	100.00



2024 SouthWest UPPT
Ga09B
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

Screen Size	LOCATION 63	70	76
-12 & -17R	3.30	1.76	1.21
12	4.21	2.35	1.59
13	5.48	2.96	2.16
14	7.04	3.50	2.91
15	10.29	4.44	4.68
16	14.11	5.29	6.80
17	21.49	7.07	11.36
18	31.97	10.60	17.82
19	45.74	18.84	29.51
20	68.07	35.57	50.57
21	84.53	56.29	69.75
22	93.53	73.76	86.08
23	97.10	84.75	93.94
24	99.47	95.29	98.93
25	99.94	98.83	99.93
26	100.00	99.54	100.00
27	100.00	99.98	100.00
28	100.00	100.00	100.00
29	100.00	100.00	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00

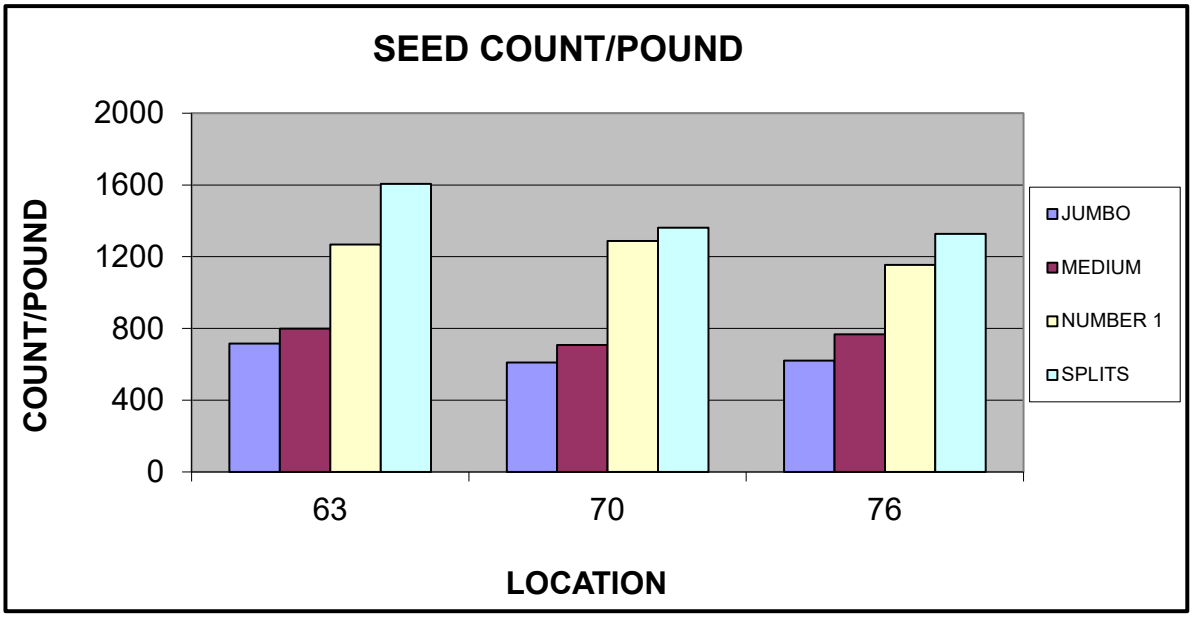


2024 SouthWest UPPT
Ga09B
SEED COUNT/POUND TABLE

LOCATION 63	
JUMBO	716
MEDIUM	799
NUMBER 1	1267
SPLITS	1606

LOCATION 70	
JUMBO	610
MEDIUM	708
NUMBER 1	1287
SPLITS	1362

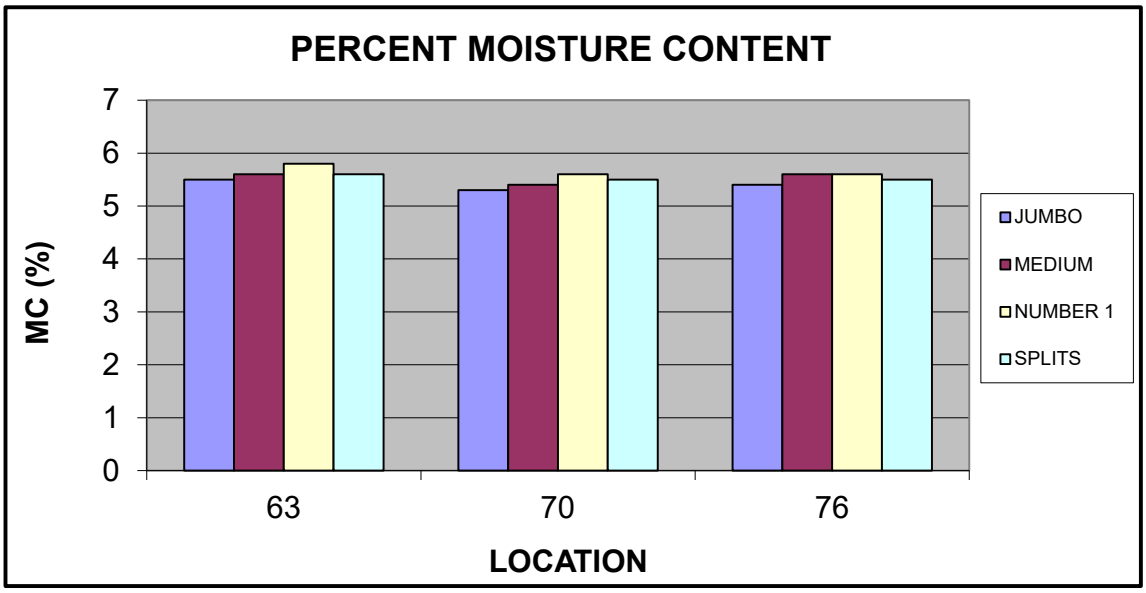
LOCATION 76	
JUMBO	621
MEDIUM	768
NUMBER 1	1155
SPLITS	1327



2024 SouthWest UPPT
Ga09B
SEED MOISTURE CONTENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	5.5	JUMBO	5.3	JUMBO	5.4
MEDIUM	5.6	MEDIUM	5.4	MEDIUM	5.6
NUMBER 1	5.8	NUMBER 1	5.6	NUMBER 1	5.6
SPLITS	5.6	SPLITS	5.5	SPLITS	5.5

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest UPPT
Ga09B
Shelling Data

LOCATION 63 DATE: 2/21/2025

STAGE	GRATE		WEIGHT	TIME
1st	28	initial	4554.6	112 sec.
		grams shelled / min	1436.5	
2nd	25	unshelled	1873.2	101 sec.
		grams shelled / min	932.9	
3rd	22	unshelled	302.9	46 sec.
		grams shelled / min	320.9	
4th	19	unshelled	56.9	18 sec.
		grams shelled / min	189.7	
5th				
6th				
	Final grams unshelled			
	Total grams shelled		4554.6	4.62 min.
	Total grams shelled / min		986.6	
	HULLS		1236.6	

LOCATION 70 DATE: 2/4/2025

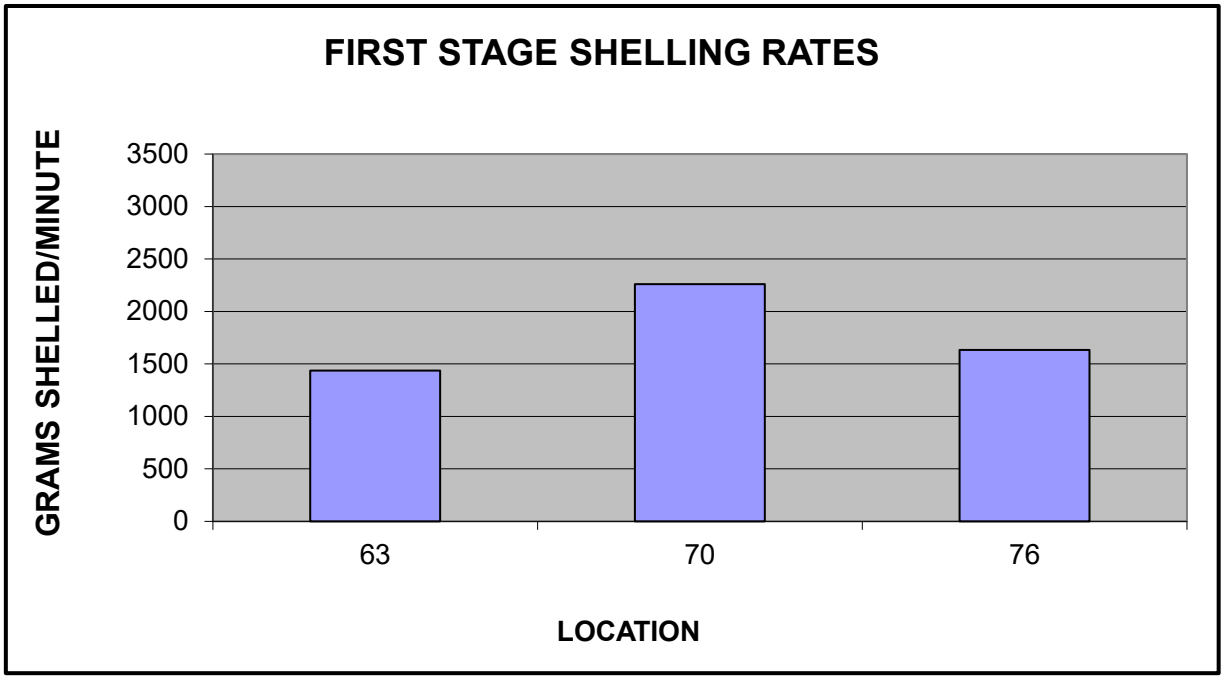
GRATE		WEIGHT	TIME
29	initial	5669.0	121 sec.
	grams shelled / min	2259.6	
26	unshelled	1112.2	53 sec.
	grams shelled / min	799.7	
23	unshelled	405.8	50 sec.
	grams shelled / min	487.0	
	unshelled		sec.
	grams shelled / min		
Final grams unshelled		0.0	
Total grams shelled		5669.0	3.73 min.
Total grams shelled / min		1518.5	
HULLS		1439.6	

LOCATION 76 DATE: 1/8/2025

STAGE	GRATE		WEIGHT	TIME
1st	28	initial	5238.2	135 sec.
		grams shelled / min	1633.1	
2nd	25	unshelled	1563.8	85 sec.
		grams shelled / min	1012.4	
3rd	22	unshelled	129.6	24 sec.
		grams shelled / min	324.0	
4th			0.0	1
			0.0	
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		5238.2	4.08 min.
	Total grams shelled / min		1282.8	
	HULLS		1394.4	

2024 SouthWest UPPT
Ga09B
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	1436.5
70	2259.6
76	1633.1



2024 SouthWest UPPT
TP200625-3-2
POD BULK DENSITY TABLE

LOCATION 63

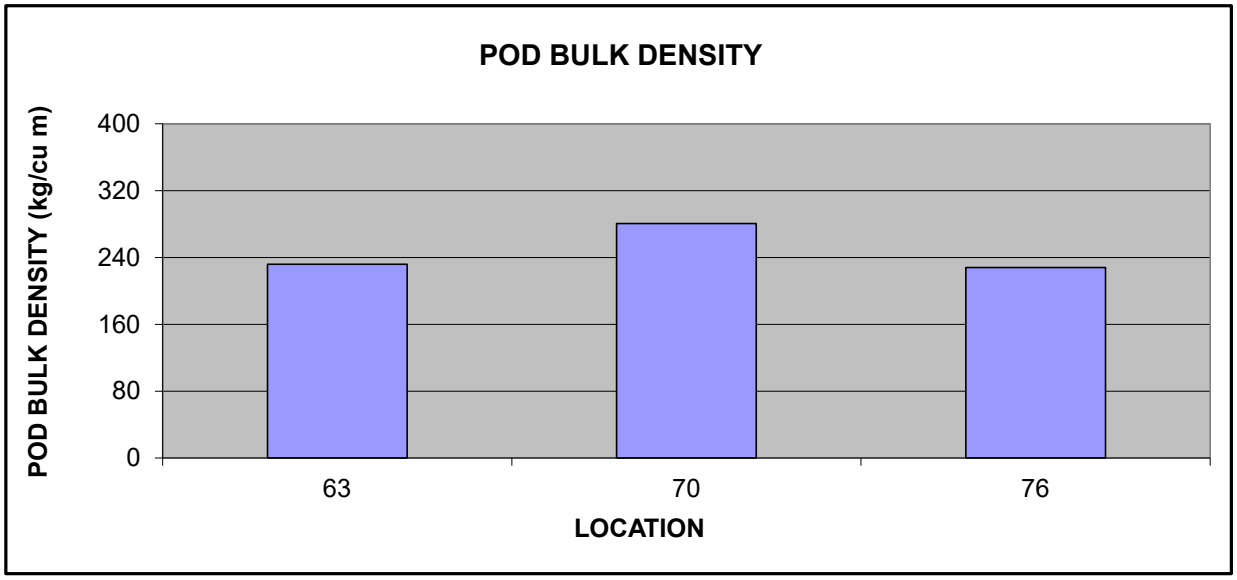
BULK	Kg	cm	Kg/m3
DENSITY	4.59	21.30	231.82

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.89	22.60	280.62

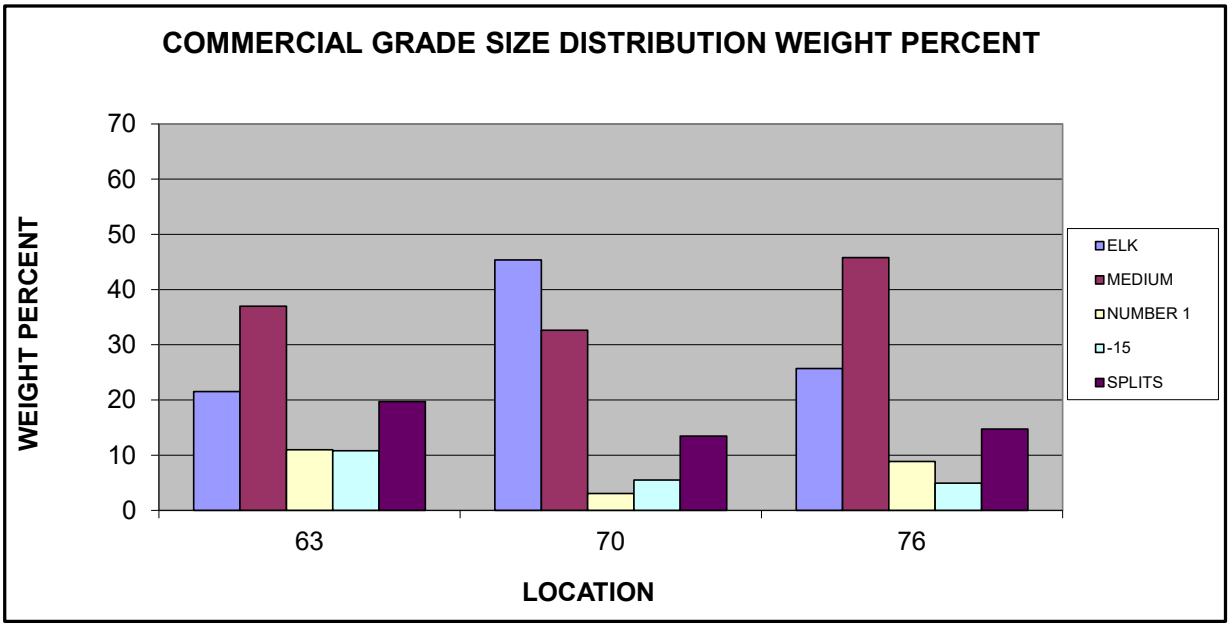
LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	5.48	25.88	227.92



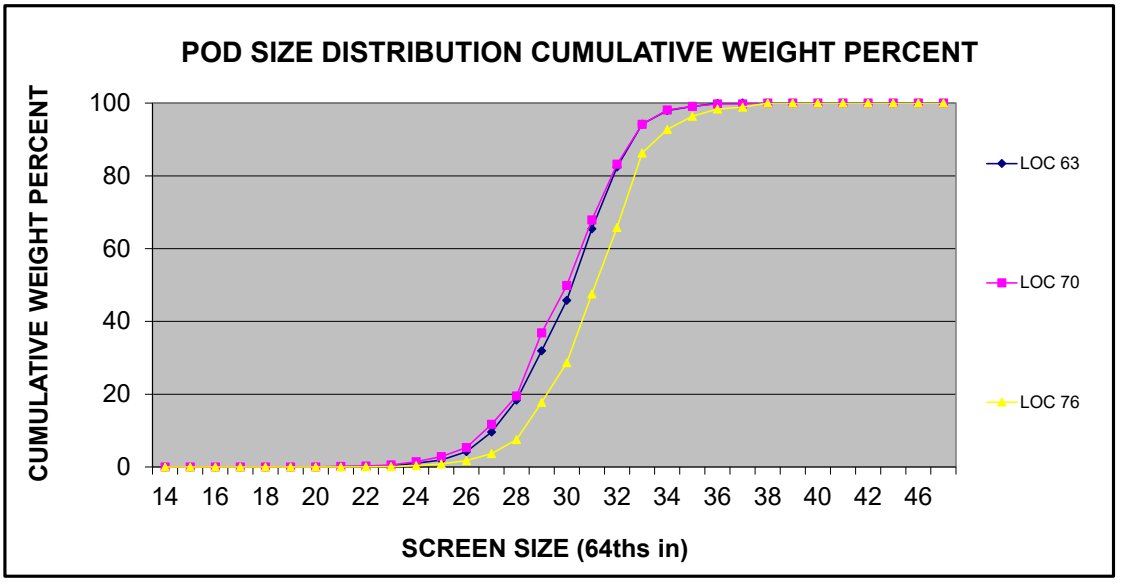
2024 SouthWest UPPT
TP200625-3-2
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	21.53	JUMBO	45.37	JUMBO	25.71
MEDIUM	36.97	MEDIUM	32.62	MEDIUM	45.78
NUMBER 1	10.97	NUMBER 1	3.06	NUMBER 1	8.87
-15	10.81	-15	5.51	-15	4.93
SPLITS	19.72	SPLITS	13.45	SPLITS	14.72



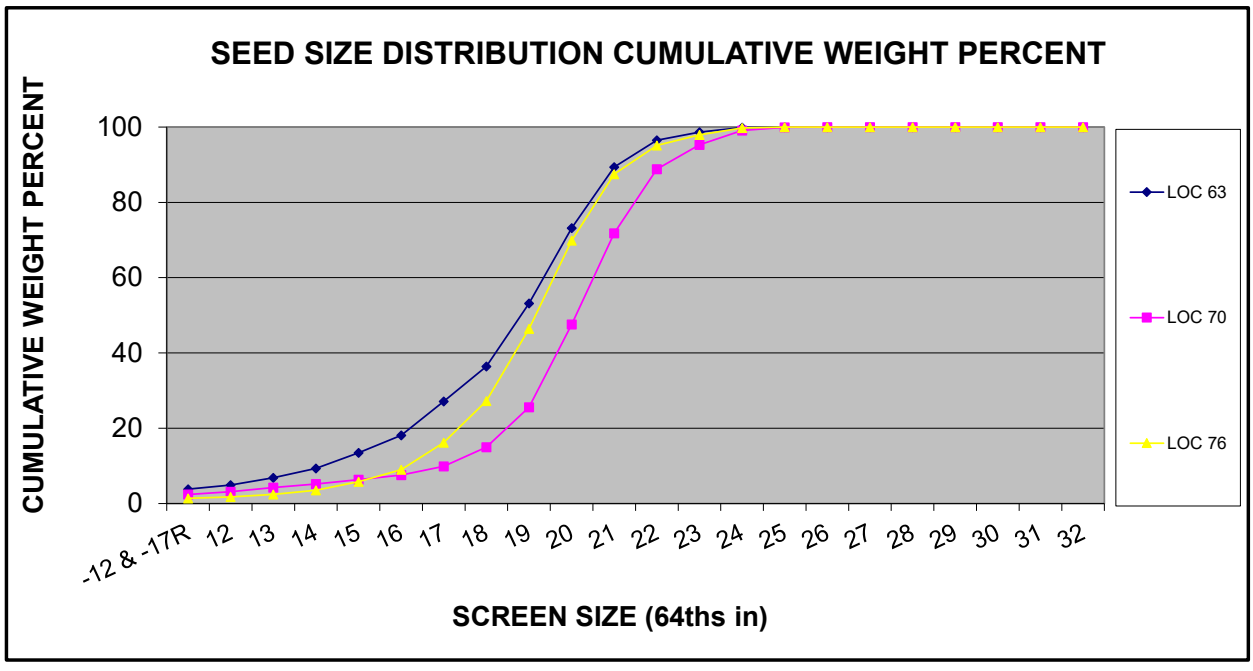
2024 SouthWest UPPT
TP200625-3-2
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

SCREEN SIZE	LOCATION 63	70	76
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.05	0.00	0.00
21	0.08	0.12	0.00
22	0.16	0.23	0.02
23	0.34	0.59	0.11
24	1.02	1.43	0.37
25	1.91	2.84	0.82
26	4.19	5.35	1.77
27	9.57	11.71	3.68
28	18.38	19.49	7.53
29	31.92	36.86	17.74
30	45.79	49.89	28.66
31	65.46	67.91	47.55
32	82.41	83.21	65.82
33	94.22	94.16	86.25
34	97.97	98.11	92.74
35	99.08	99.09	96.40
36	99.89	99.74	98.36
37	100.00	99.74	98.89
38	100.00	100.00	100.00
39	100.00	100.00	100.00
40	100.00	100.00	100.00
41	100.00	100.00	100.00
42	100.00	100.00	100.00
44	100.00	100.00	100.00
46	100.00	100.00	100.00
48	100.00	100.00	100.00



2024 SouthWest UPPT
TP200625-3-2
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

Screen Size	LOCATION 63	70	76
-12 & -17R	3.83	2.41	1.39
12	4.89	3.17	1.76
13	6.83	4.23	2.40
14	9.31	5.20	3.54
15	13.46	6.36	5.78
16	18.14	7.58	9.00
17	27.13	9.90	16.18
18	36.45	14.97	27.22
19	53.17	25.57	46.42
20	73.18	47.59	69.86
21	89.37	71.80	87.49
22	96.53	88.83	95.11
23	98.68	95.28	97.95
24	99.89	99.12	99.75
25	99.97	99.92	100.00
26	100.00	99.96	100.00
27	100.00	99.96	100.00
28	100.00	100.00	100.00
29	100.00	100.00	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00

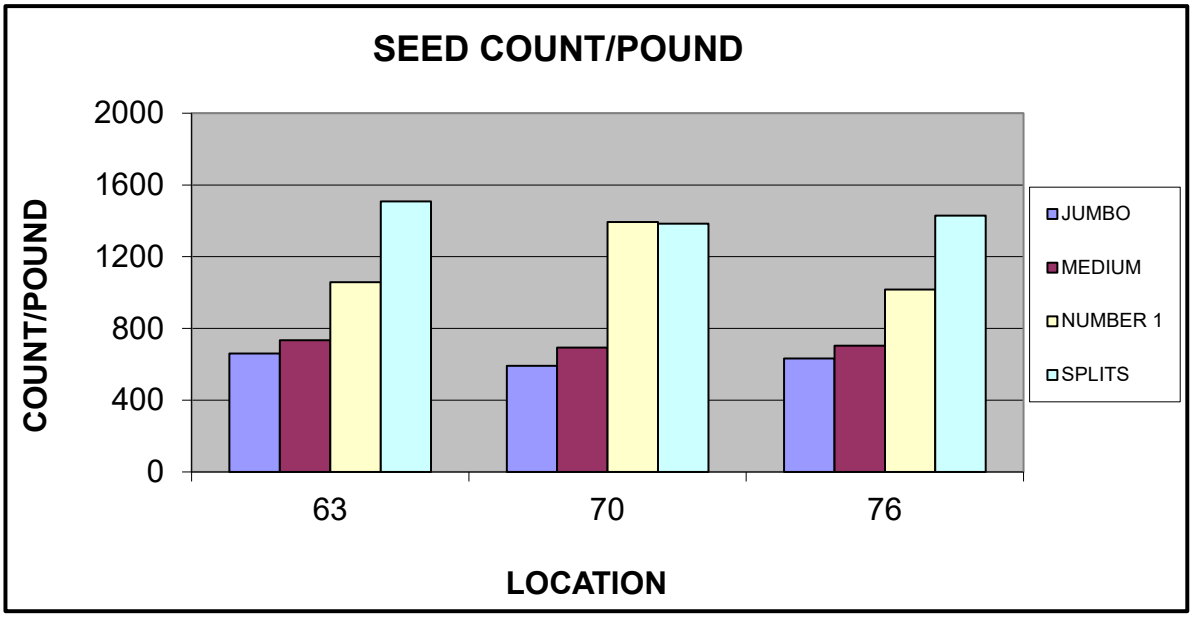


2024 SouthWest UPPT
TP200625-3-2
SEED COUNT/POUND TABLE

LOCATION 63	
JUMBO	660
MEDIUM	734
NUMBER 1	1057
SPLITS	1508

LOCATION 70	
JUMBO	592
MEDIUM	693
NUMBER 1	1393
SPLITS	1385

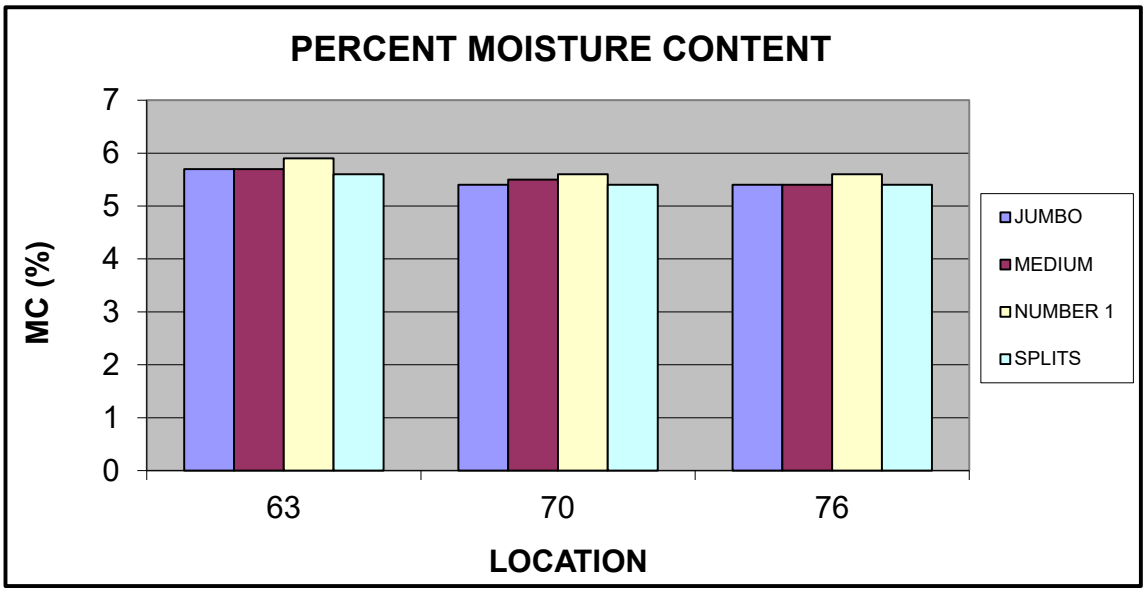
LOCATION 76	
JUMBO	632
MEDIUM	703
NUMBER 1	1017
SPLITS	1429



2024 SouthWest UPPT
TP200625-3-2
SEED MOISTURE CONTENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	5.7	JUMBO	5.4	JUMBO	5.4
MEDIUM	5.7	MEDIUM	5.5	MEDIUM	5.4
NUMBER 1	5.9	NUMBER 1	5.6	NUMBER 1	5.6
SPLITS	5.6	SPLITS	5.4	SPLITS	5.4

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest UPPT
TP200625-3-2
Shelling Data

LOCATION 63 DATE: 2/21/2025

STAGE	GRATE		WEIGHT	TIME
1st	28	initial	4387.4	121 sec.
		grams shelled / min	1263.9	
2nd	25	unshelled	1838.5	109 sec.
		grams shelled / min	854.4	
3rd	22	unshelled	286.3	41 sec.
		grams shelled / min	419.0	
4th			0.0	1
			0.0	
5th			0.0	1
			0.0	
6th				
	Final grams unshelled		0.0	
	Total grams shelled		4387.4	4.55 min.
	Total grams shelled / min		964.3	
	HULLS		1294.0	

LOCATION 70 DATE: 2/4/2025

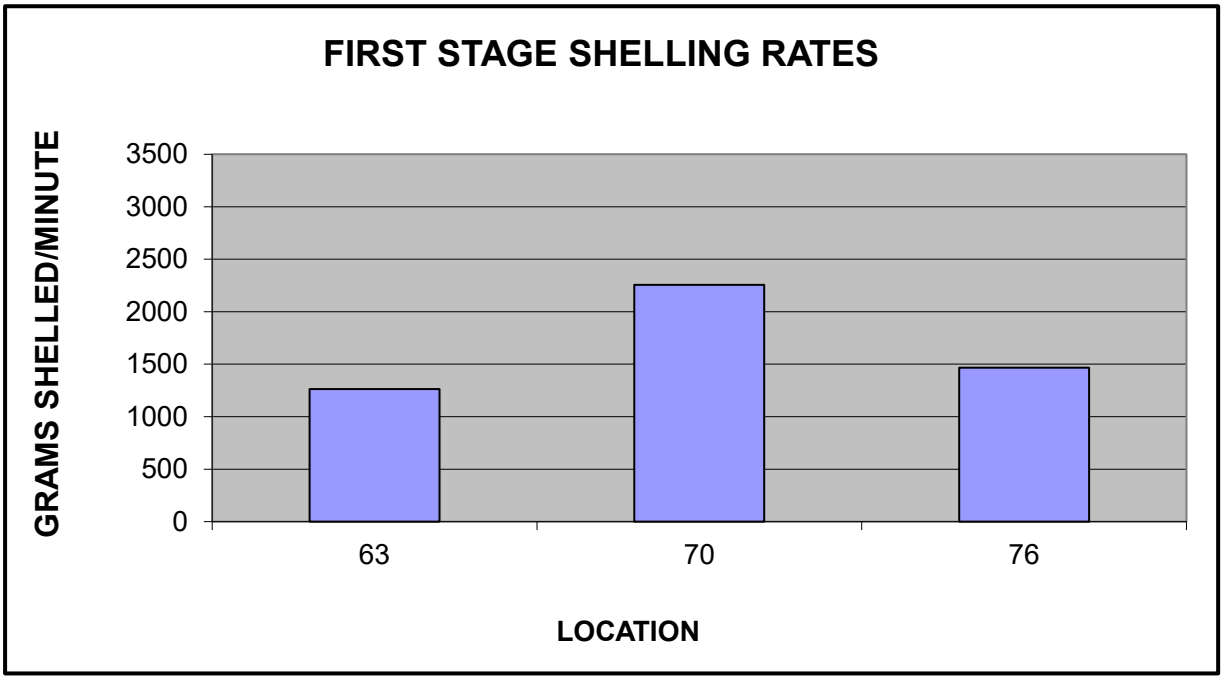
GRATE		WEIGHT	TIME
30	initial	5692.0	101 sec.
	grams shelled / min	2256.8	
27	unshelled	1893.0	75 sec.
	grams shelled / min	1100.5	
24	unshelled	517.4	63 sec.
	grams shelled / min	465.7	
21	unshelled	28.4	14 sec.
	grams shelled / min	121.7	
Final grams unshelled		0.0	
Total grams shelled		5692.0	4.22 min.
Total grams shelled / min		1349.9	
HULLS		1492.0	

LOCATION 76 DATE: 1/8/2025

STAGE	GRATE		WEIGHT	TIME
1st	27	initial	5278.8	200 sec.
		grams shelled / min	1466.8	
2nd	24	unshelled	389.4	43 sec.
		grams shelled / min	493.1	
3rd	21	unshelled	36.0	14 sec.
		grams shelled / min	154.3	
4th			0.0	1
			0.0	
5th			0.0	1
			0.0	
6th				
	Final grams unshelled		0.0	
	Total grams shelled		5278.8	4.32 min.
	Total grams shelled / min		1222.9	
	HULLS		1538.8	

2024 SouthWest UPPT
TP200625-3-2
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	1263.9
70	2256.8
76	1466.8



2024 SouthWest UPPT
Tx144370
POD BULK DENSITY TABLE

LOCATION 63

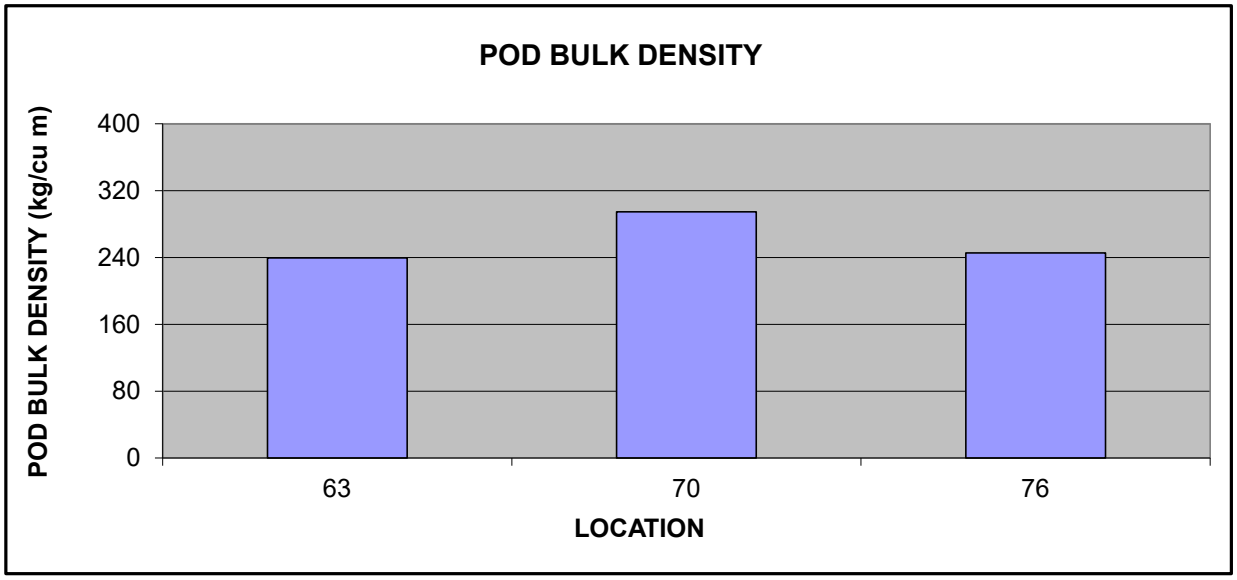
BULK	Kg	cm	Kg/m3
DENSITY	5.26	23.65	239.46

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.88	21.50	294.50

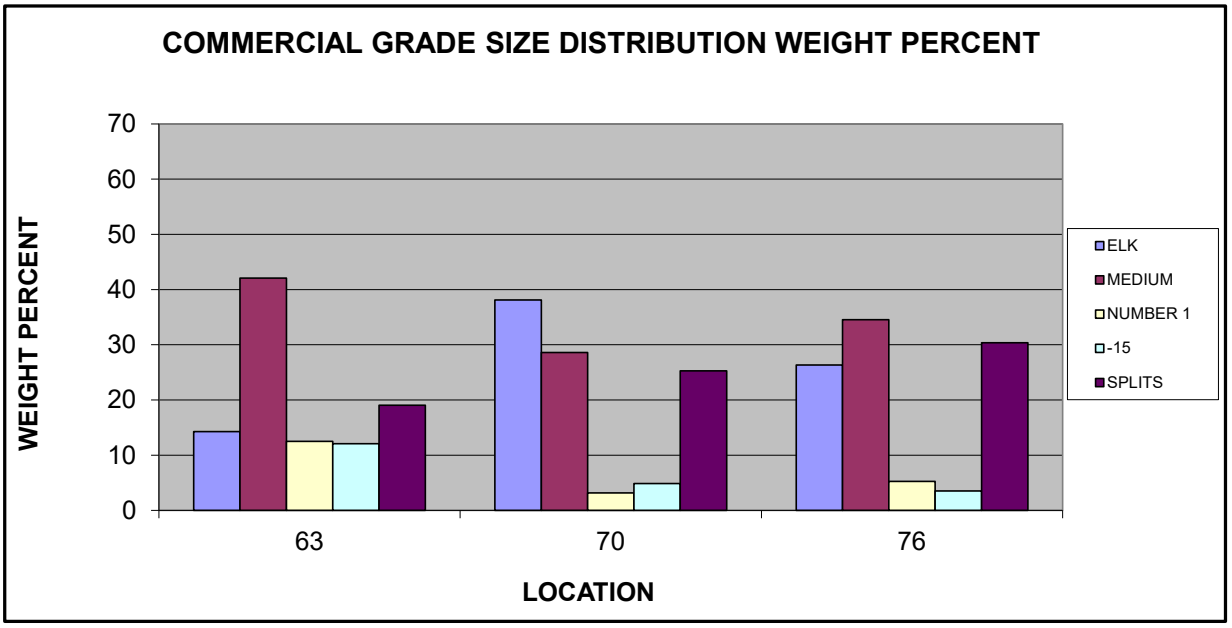
LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	5.51	24.18	245.48



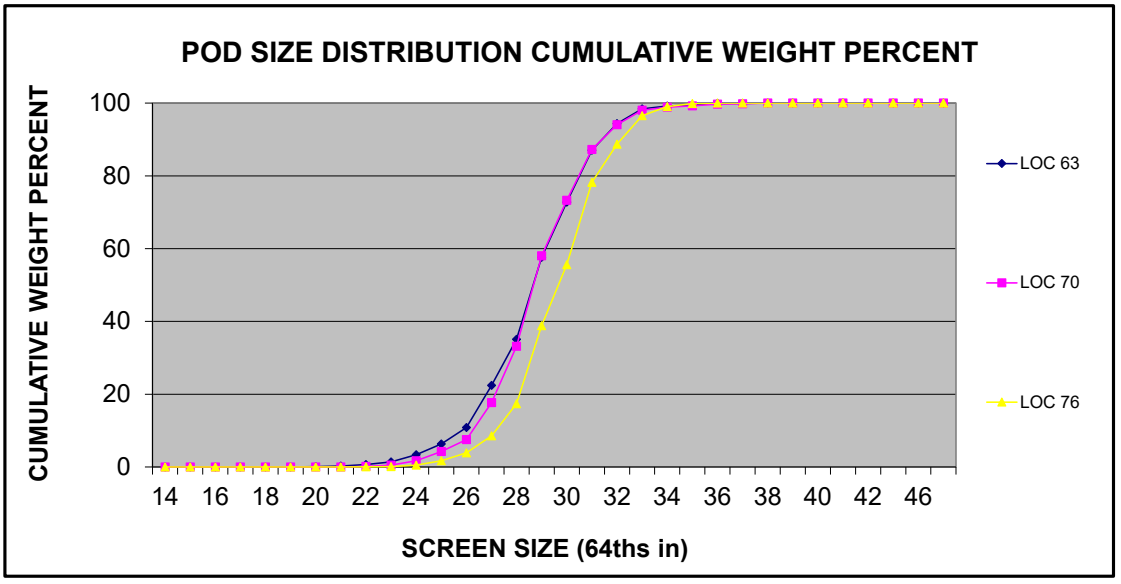
2024 SouthWest UPPT
Tx144370
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	14.26	JUMBO	38.13	JUMBO	26.35
MEDIUM	42.09	MEDIUM	28.60	MEDIUM	34.55
NUMBER 1	12.52	NUMBER 1	3.15	NUMBER 1	5.24
-15	12.08	-15	4.86	-15	3.50
SPLITS	19.06	SPLITS	25.27	SPLITS	30.37



2024 SouthWest UPPT
Tx144370
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

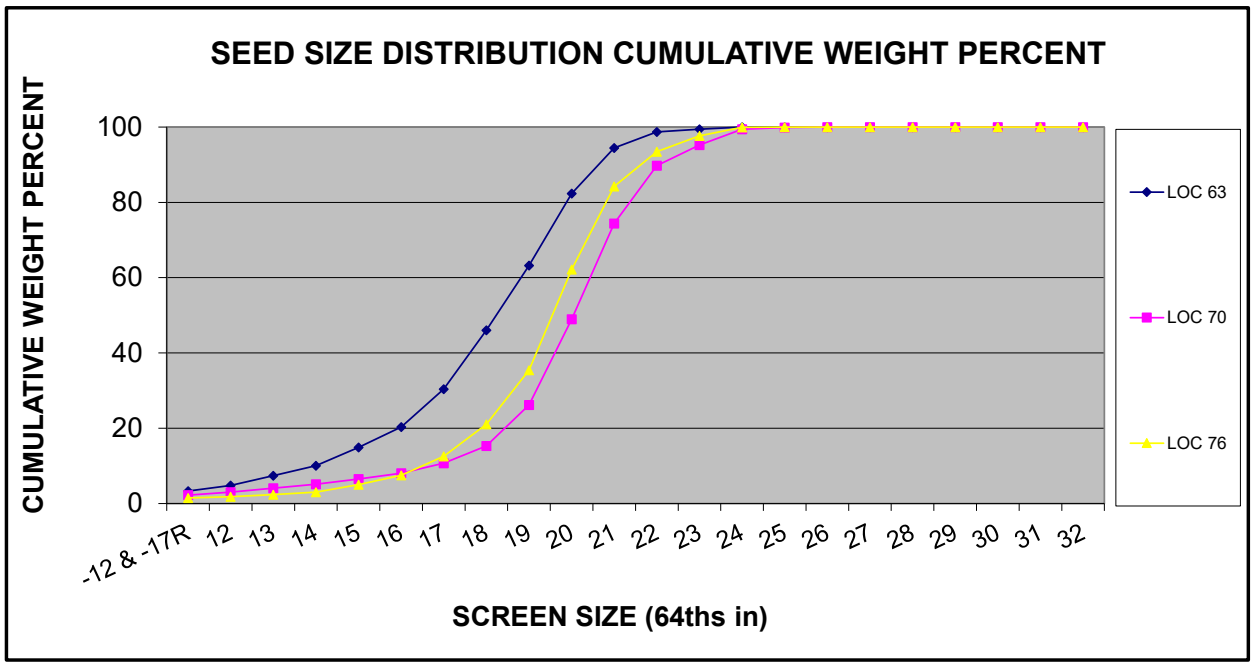
SCREEN SIZE	LOCATION 63	70	76
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.09	0.00	0.00
21	0.26	0.00	0.00
22	0.67	0.16	0.04
23	1.37	0.50	0.07
24	3.36	1.70	0.51
25	6.34	4.23	1.72
26	10.82	7.54	3.86
27	22.41	17.69	8.57
28	35.06	33.18	17.37
29	57.60	58.02	38.80
30	72.76	73.31	55.56
31	87.06	87.25	78.21
32	94.36	94.05	88.70
33	98.43	98.06	96.55
34	99.16	98.85	99.05
35	99.49	99.25	99.86
36	99.93	99.70	100.00
37	99.93	99.80	100.00
38	100.00	100.00	100.00
39	100.00	100.00	100.00
40	100.00	100.00	100.00
41	100.00	100.00	100.00
42	100.00	100.00	100.00
44	100.00	100.00	100.00
46	100.00	100.00	100.00
48	100.00	100.00	100.00



2024 SouthWest UPPT
Tx144370
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

LOCATION

Screen Size	63	70	76
-12 & -17R	3.32	2.23	1.49
12	4.83	3.05	1.82
13	7.39	4.07	2.35
14	10.05	5.11	3.01
15	14.92	6.50	5.03
16	20.31	8.09	7.49
17	30.38	10.71	12.54
18	46.04	15.30	21.03
19	63.26	26.17	35.42
20	82.38	48.98	62.16
21	94.46	74.37	84.24
22	98.72	89.77	93.47
23	99.46	95.22	97.69
24	100.00	99.45	99.94
25	100.00	99.86	99.97
26	100.00	100.00	100.00
27	100.00	100.00	100.00
28	100.00	100.00	100.00
29	100.00	100.00	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00

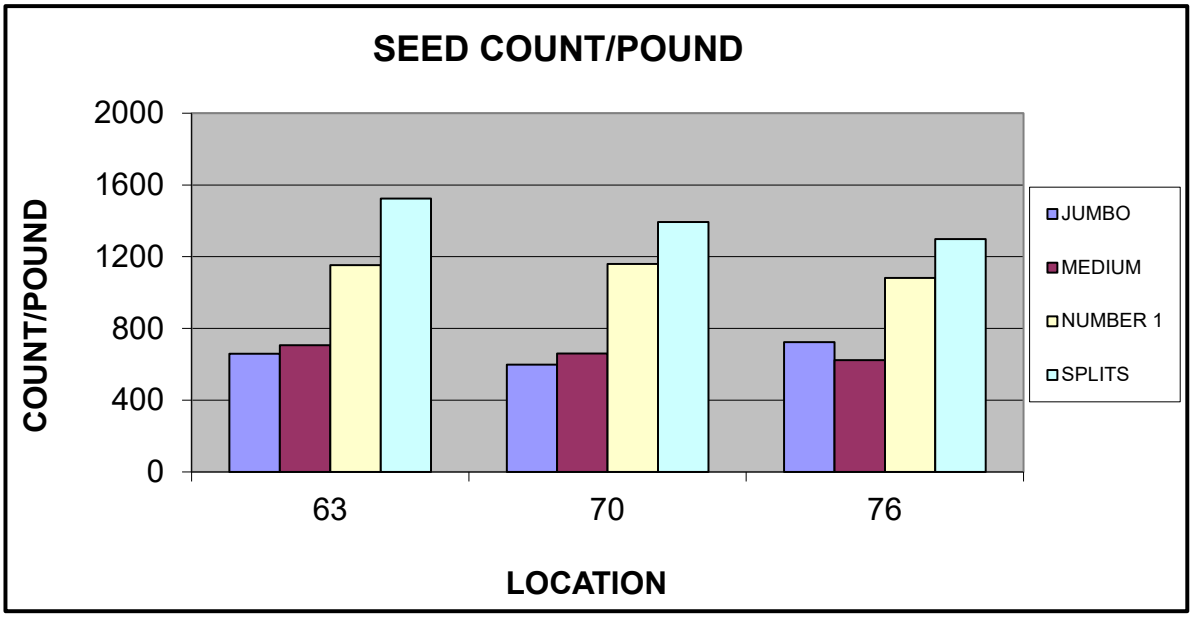


2024 SouthWest UPPT
Tx144370
SEED COUNT/POUND TABLE

LOCATION 63	
JUMBO	660
MEDIUM	707
NUMBER 1	1152
SPLITS	1524

LOCATION 70	
JUMBO	598
MEDIUM	660
NUMBER 1	1159
SPLITS	1394

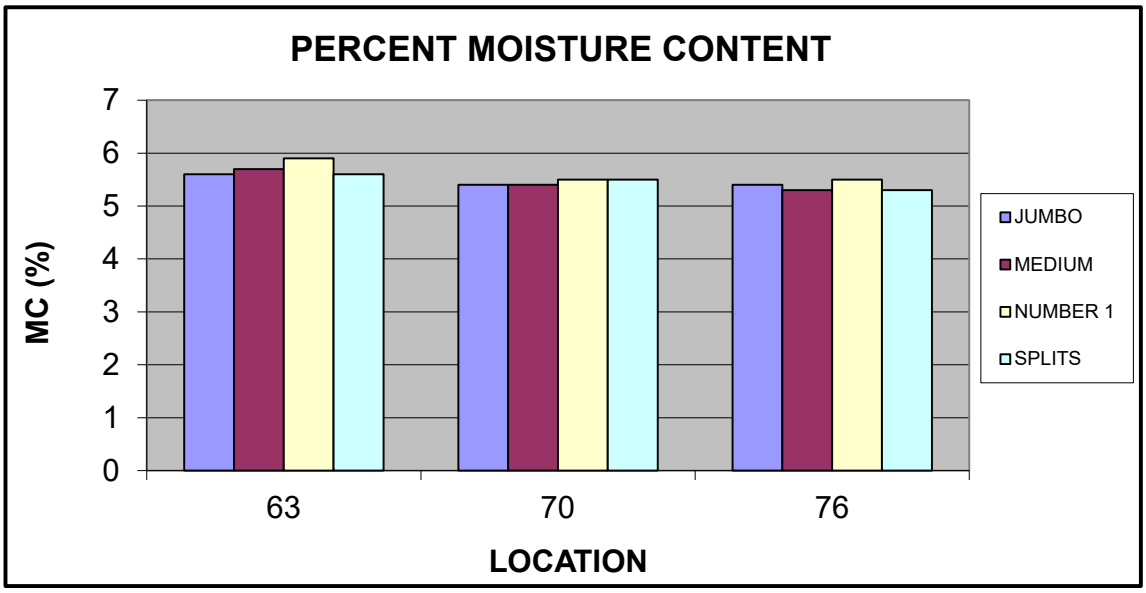
LOCATION 76	
JUMBO	723
MEDIUM	623
NUMBER 1	1082
SPLITS	1299



2024 SouthWest UPPT
Tx144370
SEED MOISTURE CONTENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	5.6	JUMBO	5.4	JUMBO	5.4
MEDIUM	5.7	MEDIUM	5.4	MEDIUM	5.3
NUMBER 1	5.9	NUMBER 1	5.5	NUMBER 1	5.5
SPLITS	5.6	SPLITS	5.5	SPLITS	5.3

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest UPPT
Tx144370
Shelling Data

LOCATION 63 DATE: 2/21/2025

STAGE	GRATE		WEIGHT	TIME
1st	25	initial	5061.4	163 sec.
		grams shelled / min	1652.7	
2nd	22	unshelled	571.7	66 sec.
		grams shelled / min	434.2	
3rd	19	unshelled	94.1	26 sec.
		grams shelled / min	217.2	
4th	16		0.0	1
			0.0	
5th			0.0	1
			0.0	
6th			0.0	1
			0.0	
	Final grams unshelled		0.0	
	Total grams shelled		5061.4	4.30 min.
	Total grams shelled / min		1177.1	
	HULLS		1431.6	

LOCATION 70 DATE: 2/4/2025

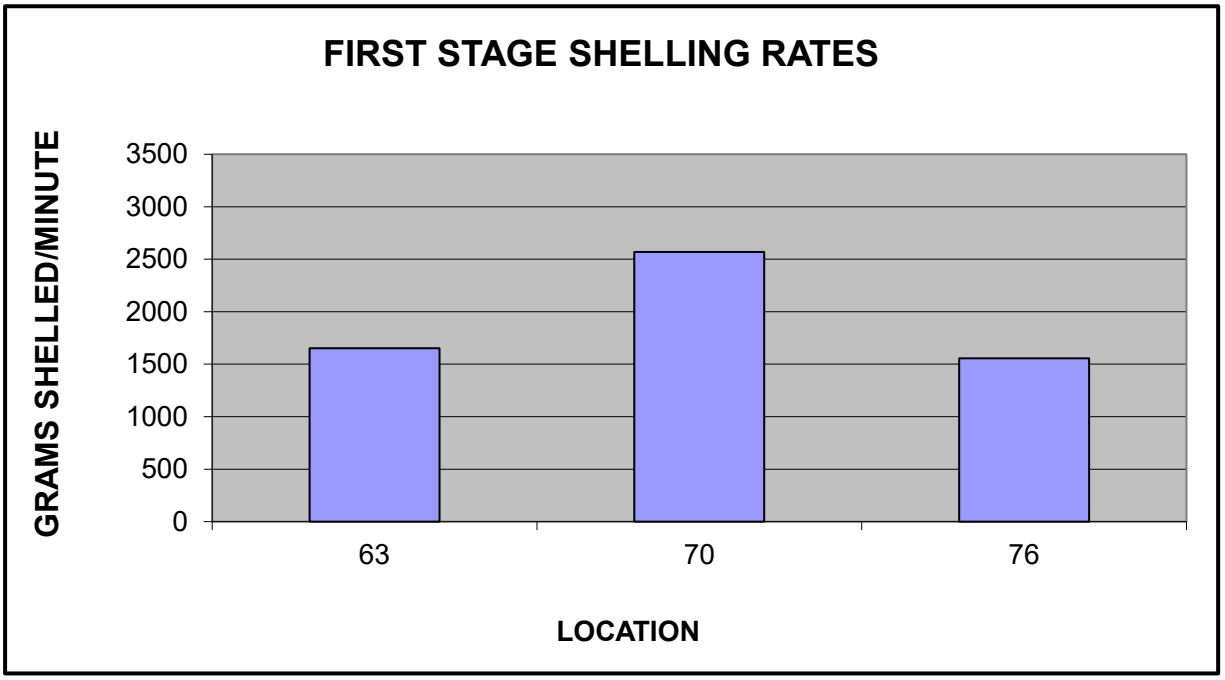
GRATE		WEIGHT	TIME
28	initial	5682.4	87 sec.
	grams shelled / min	2570.5	
25	unshelled	1955.2	82 sec.
	grams shelled / min	1158.1	
22	unshelled	372.4	50 sec.
	grams shelled / min	315.4	
19	unshelled	109.6	37 sec.
	grams shelled / min	177.7	
Final grams unshelled		0.0	
Total grams shelled		5682.4	4.27 min.
Total grams shelled / min		1331.8	
HULLS		1454.2	

LOCATION 76 DATE: 1/8/2025

STAGE	GRATE		WEIGHT	TIME
1st	28	initial	5313.4	125 sec.
		grams shelled / min	1556.0	
2nd	25	unshelled	2071.8	95 sec.
		grams shelled / min	1131.0	
3rd	22	unshelled	281.0	34 sec.
		grams shelled / min	495.9	
4th			0.0	1
			0.0	
5th			0.0	1
			0.0	
6th			0.0	1
			0.0	
	Final grams unshelled		0.0	
	Total grams shelled		5313.4	4.28 min.
	Total grams shelled / min		1240.5	
	HULLS		1480.4	

2024 SouthWest UPPT
Tx144370
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	1652.7
70	2570.5
76	1556.0



2024 SouthWest UPPT
ARSOK R109-1L
POD BULK DENSITY TABLE

LOCATION 63

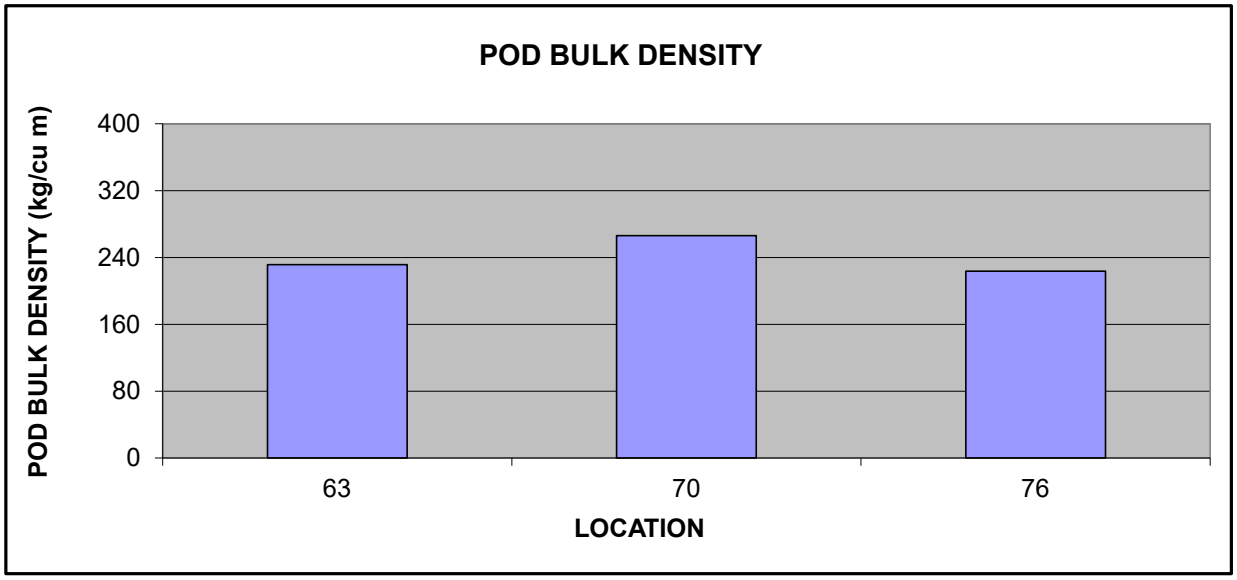
BULK	Kg	cm	Kg/m3
DENSITY	5.44	25.33	231.37

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.85	23.65	266.18

LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	5.48	26.38	223.46

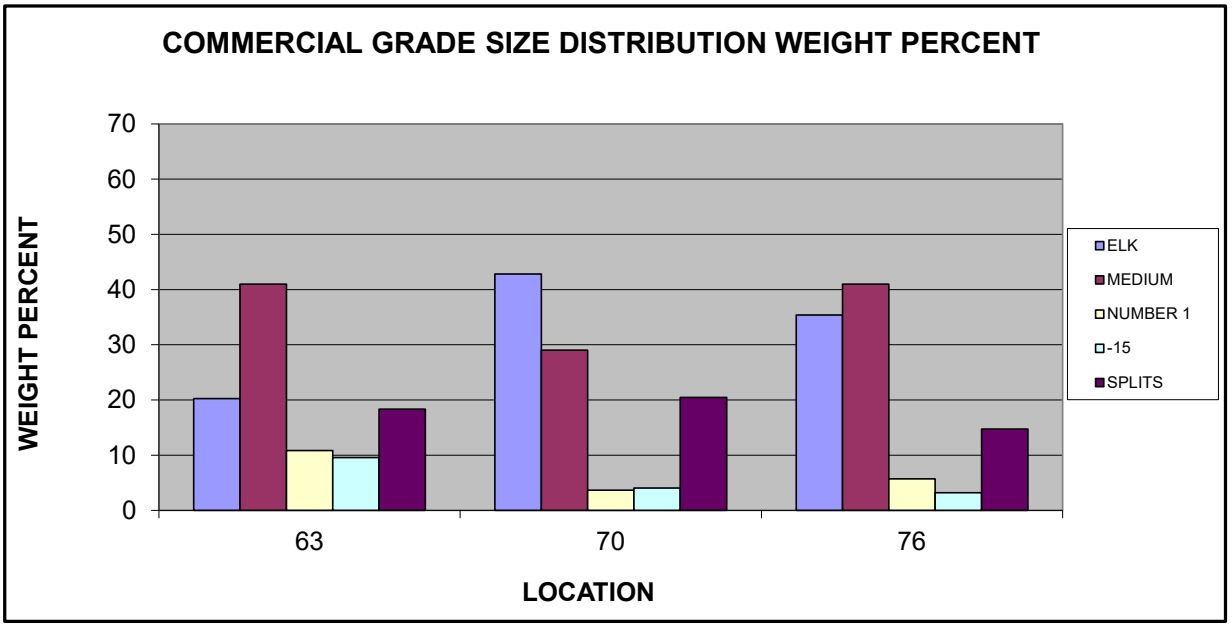


2024 SouthWest UPPT
ARSOK R109-1L
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63	
JUMBO	20.25
MEDIUM	40.98
NUMBER 1	10.84
-15	9.58
SPLITS	18.34

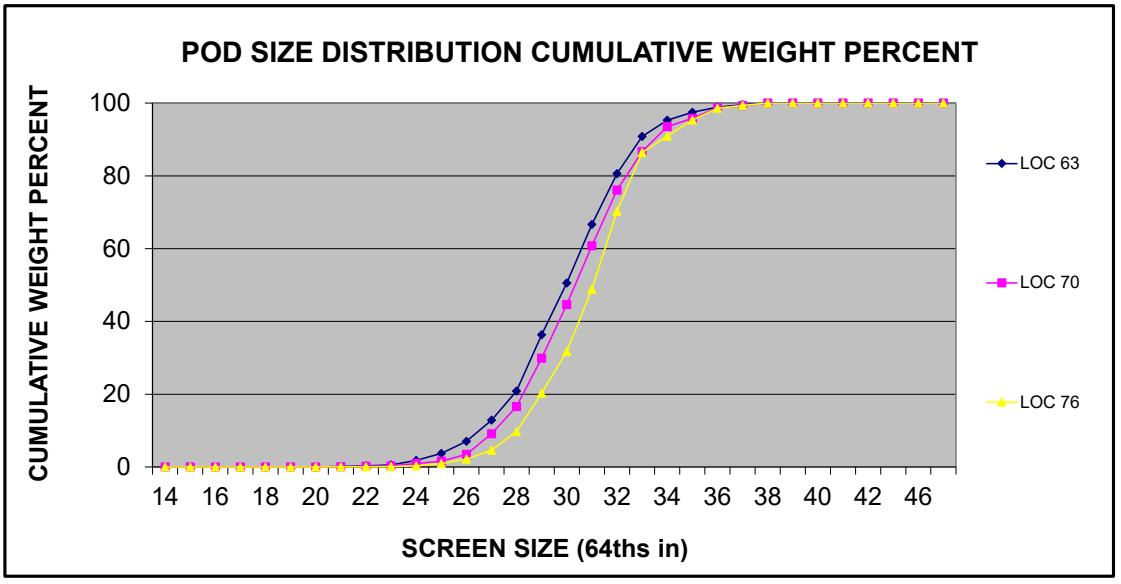
LOCATION 70	
JUMBO	42.81
MEDIUM	29.02
NUMBER 1	3.67
-15	4.05
SPLITS	20.46

LOCATION 76	
JUMBO	35.39
MEDIUM	40.98
NUMBER 1	5.70
-15	3.21
SPLITS	14.72



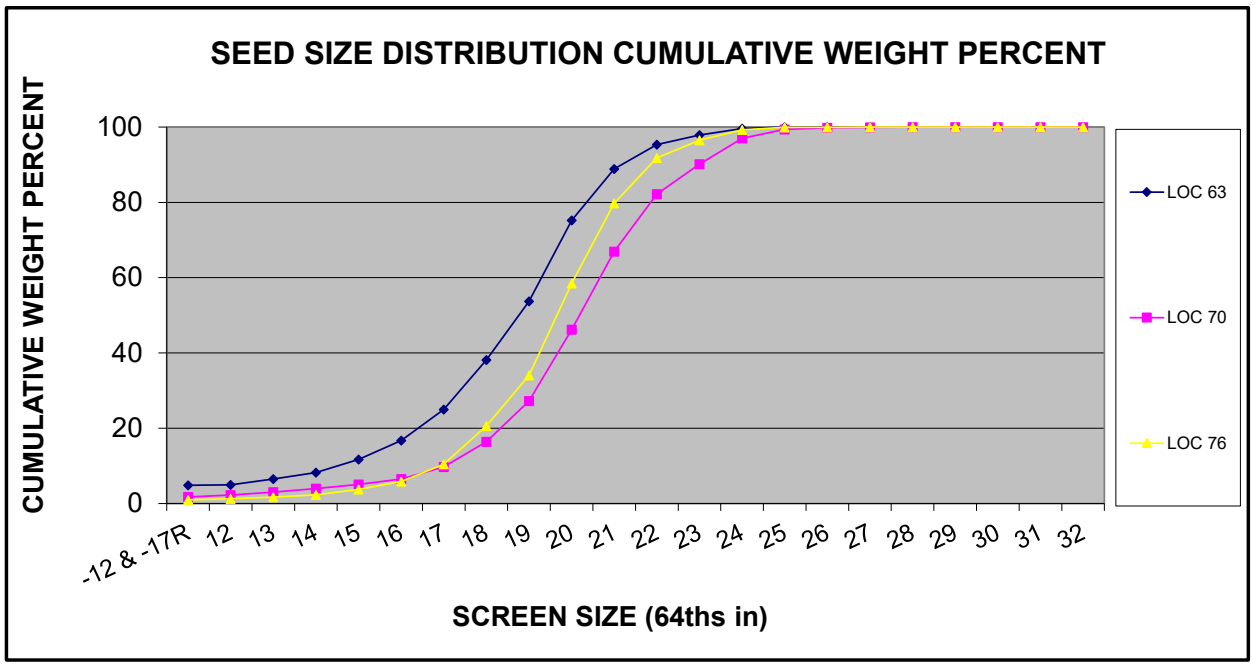
2024 SouthWest UPPT
ARSOK R109-1L
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

SCREEN SIZE	LOCATION 63	70	76
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.00	0.00	0.00
21	0.16	0.02	0.02
22	0.32	0.21	0.04
23	0.59	0.32	0.07
24	1.83	0.93	0.31
25	3.71	1.62	0.94
26	7.05	3.46	2.17
27	12.86	9.15	4.59
28	20.87	16.61	9.72
29	36.31	29.87	20.30
30	50.52	44.64	31.72
31	66.62	60.77	48.82
32	80.62	76.07	70.26
33	90.82	86.66	86.43
34	95.28	93.54	90.96
35	97.48	95.84	95.35
36	98.90	98.67	98.56
37	99.57	99.30	99.32
38	100.00	100.00	100.00
39	100.00	100.00	100.00
40	100.00	100.00	100.00
41	100.00	100.00	100.00
42	100.00	100.00	100.00
44	100.00	100.00	100.00
46	100.00	100.00	100.00
48	100.00	100.00	100.00



2024 SouthWest UPPT
ARSOK R109-1L
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

Screen Size	LOCATION 63	70	76
-12 & -17R	4.86	1.75	0.98
12	4.97	2.26	1.26
13	6.51	3.04	1.70
14	8.24	3.96	2.33
15	11.73	5.09	3.76
16	16.75	6.52	5.84
17	25.01	9.70	10.45
18	38.11	16.41	20.63
19	53.69	27.25	34.04
20	75.20	46.18	58.50
21	88.86	66.92	79.77
22	95.32	82.19	91.82
23	97.87	90.14	96.51
24	99.62	97.00	99.27
25	99.97	99.36	99.94
26	100.00	99.84	99.96
27	100.00	99.95	100.00
28	100.00	100.00	100.00
29	100.00	100.00	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00

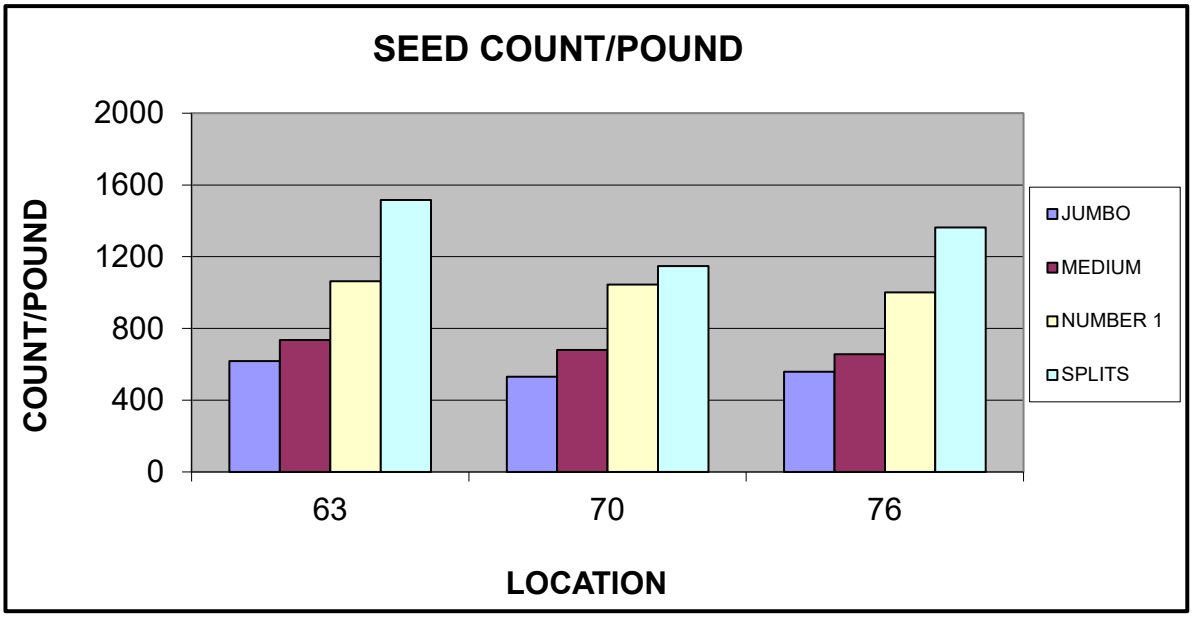


2024 SouthWest UPPT
ARSOK R109-1L
SEED COUNT/POUND TABLE

LOCATION 63	
JUMBO	617
MEDIUM	736
NUMBER 1	1063
SPLITS	1516

LOCATION 70	
JUMBO	531
MEDIUM	680
NUMBER 1	1045
SPLITS	1148

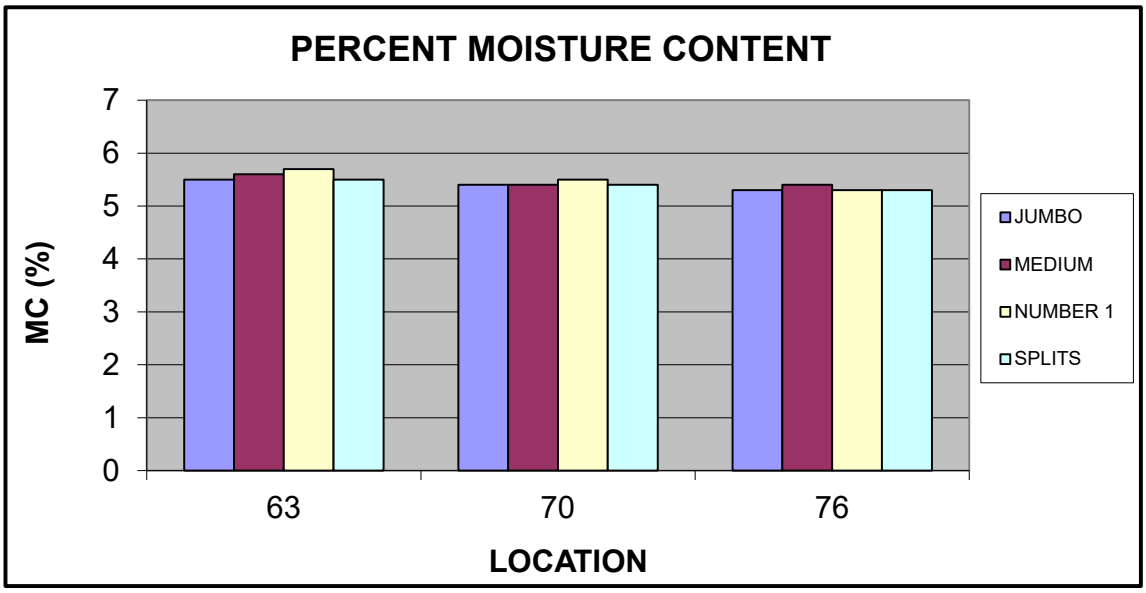
LOCATION 76	
JUMBO	559
MEDIUM	657
NUMBER 1	1001
SPLITS	1363



2024 SouthWest UPPT
ARSOK R109-1L
SEED MOISTURE CONTENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	5.5	JUMBO	5.4	JUMBO	5.3
MEDIUM	5.6	MEDIUM	5.4	MEDIUM	5.4
NUMBER 1	5.7	NUMBER 1	5.5	NUMBER 1	5.3
SPLITS	5.5	SPLITS	5.4	SPLITS	5.3

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest UPPT
ARSOK R109-1L
Shelling Data

LOCATION 63 DATE: 2/21/2025

STAGE	GRATE		WEIGHT	TIME
1st	28	initial	5243.6	134 sec.
		grams shelled / min	1880.2	
2nd	25	unshelled	1044.5	63 sec.
		grams shelled / min	682.5	
3rd	22	unshelled	327.9	41 sec.
		grams shelled / min	380.8	
4th	19		67.7	16
			253.9	
5th			0.0	1
			0.0	
6th				
	Final grams unshelled		0.0	
	Total grams shelled		5243.6	4.25 min.
	Total grams shelled / min		1233.8	
	HULLS		1376.8	

LOCATION 70 DATE: 2/4/2025

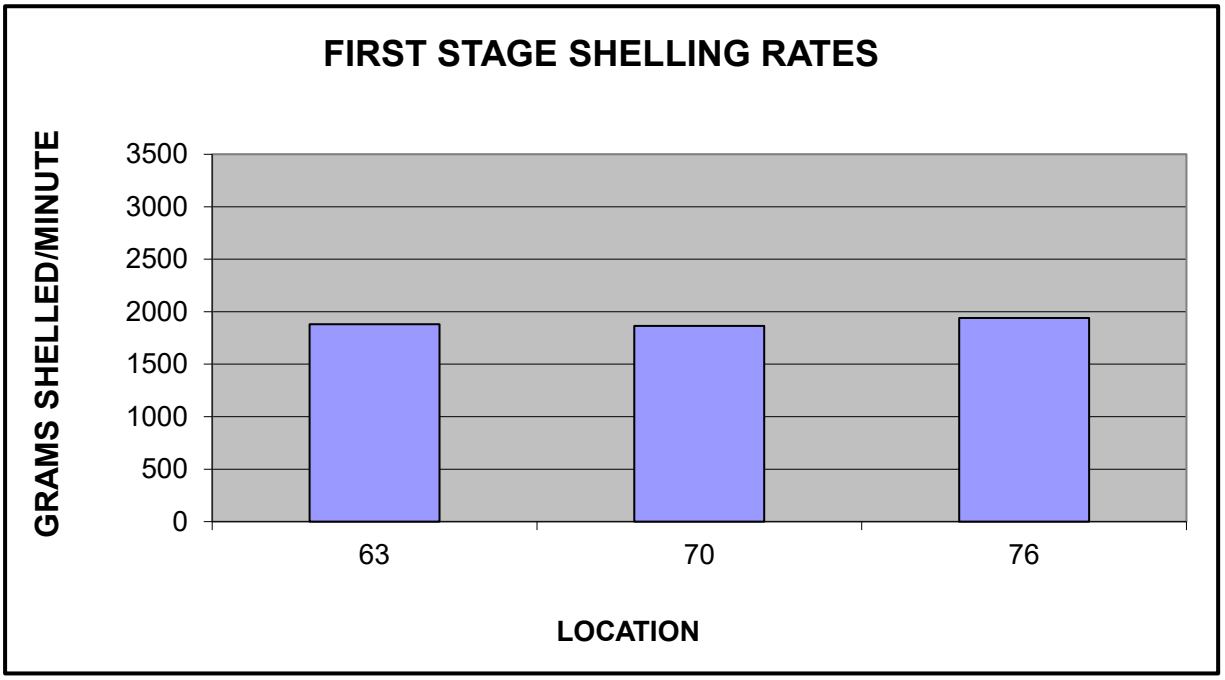
GRATE		WEIGHT	TIME
29	initial	5648.4	125 sec.
	grams shelled / min	1865.7	
26	unshelled	1761.6	68 sec.
	grams shelled / min	774.4	
23	unshelled	884.0	101 sec.
	grams shelled / min	525.1	
	unshelled		sec.
	grams shelled / min		
Final grams unshelled		0.0	
Total grams shelled		5648.4	4.90 min.
Total grams shelled / min		1152.7	
HULLS		1407.8	

LOCATION 76 DATE: 1/8/2025

STAGE	GRATE		WEIGHT	TIME
1st	29	initial	5275.6	124 sec.
		grams shelled / min	1940.1	
2nd	26	unshelled	1266.0	63 sec.
		grams shelled / min	912.8	
3rd	23	unshelled	307.6	13 sec.
		grams shelled / min	1419.7	
4th			0.0	1 sec.
			0.0	
5th			0.0	1 sec.
			0.0	
6th				
	Final grams unshelled		0.0	
	Total grams shelled		5275.6	3.37 min.
	Total grams shelled / min		1567.0	
	HULLS		1361.8	

2024 SouthWest UPPT
ARSOK R109-1L
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	1880.2
70	1865.7
76	1940.1



2024 SouthWest UPPT
TXL 100212-03-03
POD BULK DENSITY TABLE

LOCATION 63

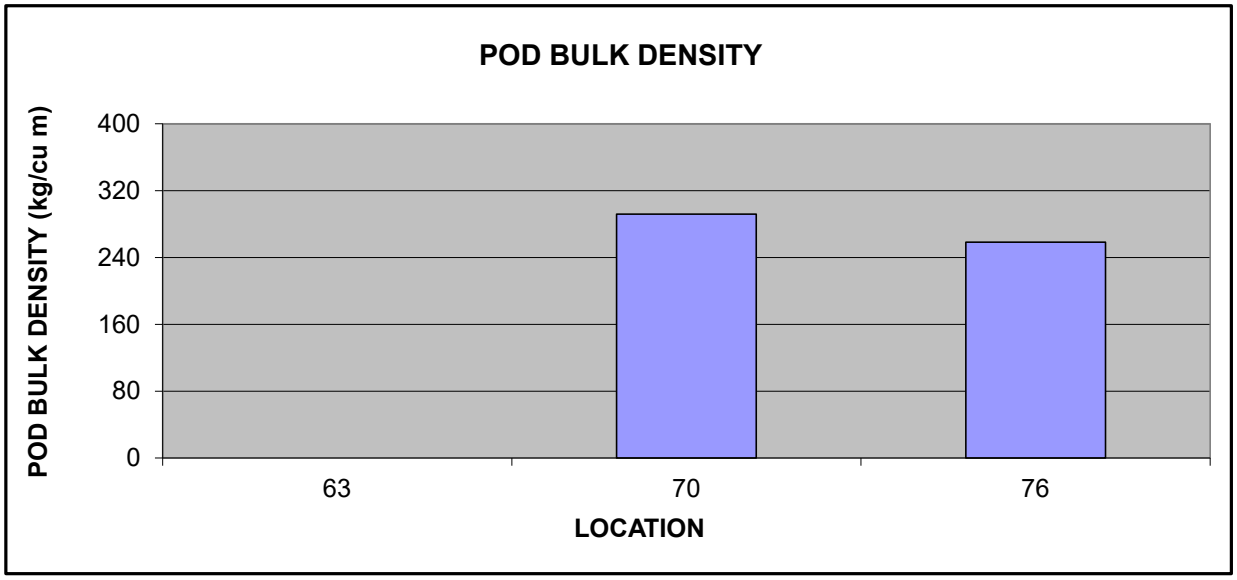
BULK	Kg	cm	Kg/m3
DENSITY			

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.79	21.35	291.86

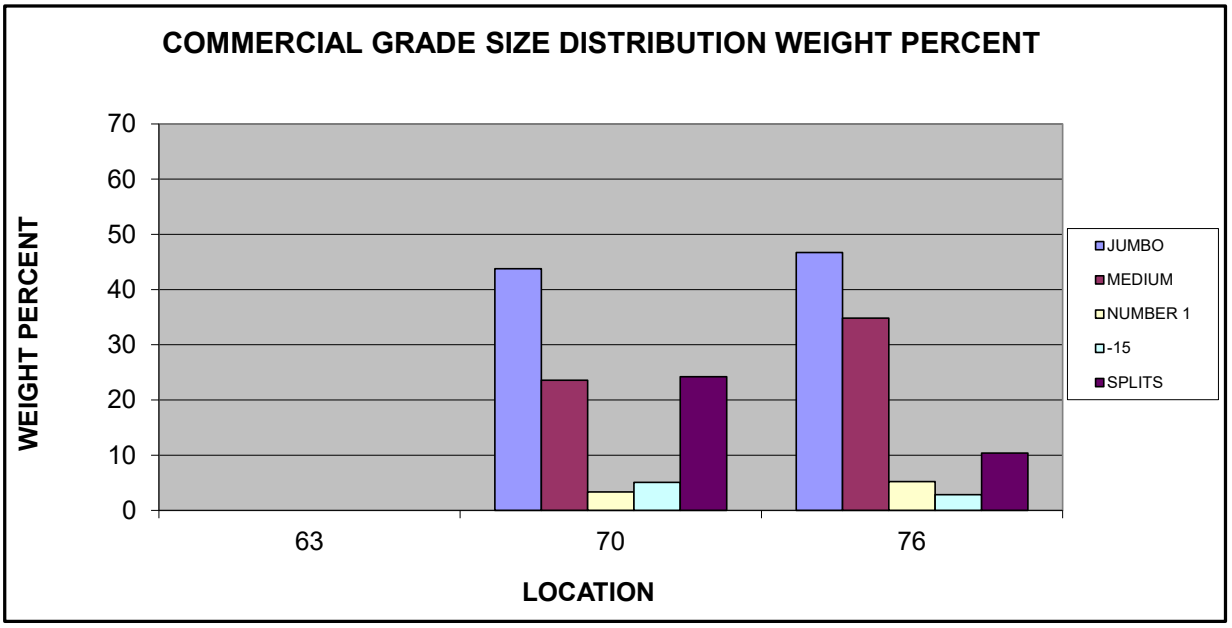
LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	5.59	23.30	258.19



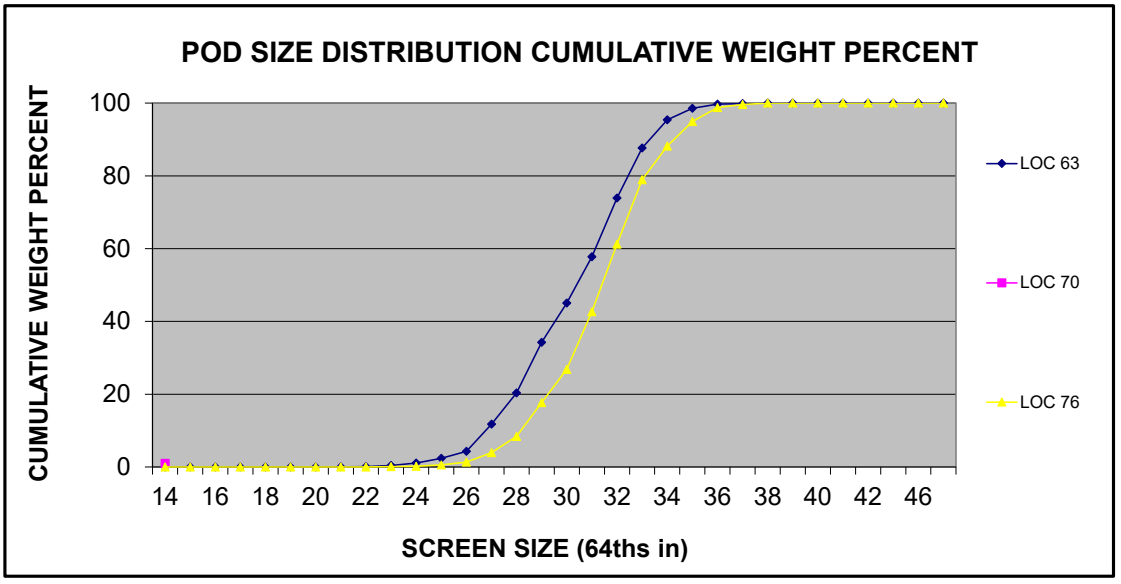
2024 SouthWest UPPT
TXL 100212-03-03
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63	LOCATION 70		LOCATION 76	
JUMBO	JUMBO	43.79	JUMBO	46.71
MEDIUM	MEDIUM	23.59	MEDIUM	34.83
NUMBER 1	NUMBER 1	3.34	NUMBER 1	5.23
-15	-15	5.08	-15	2.85
SPLITS	SPLITS	24.20	SPLITS	10.38



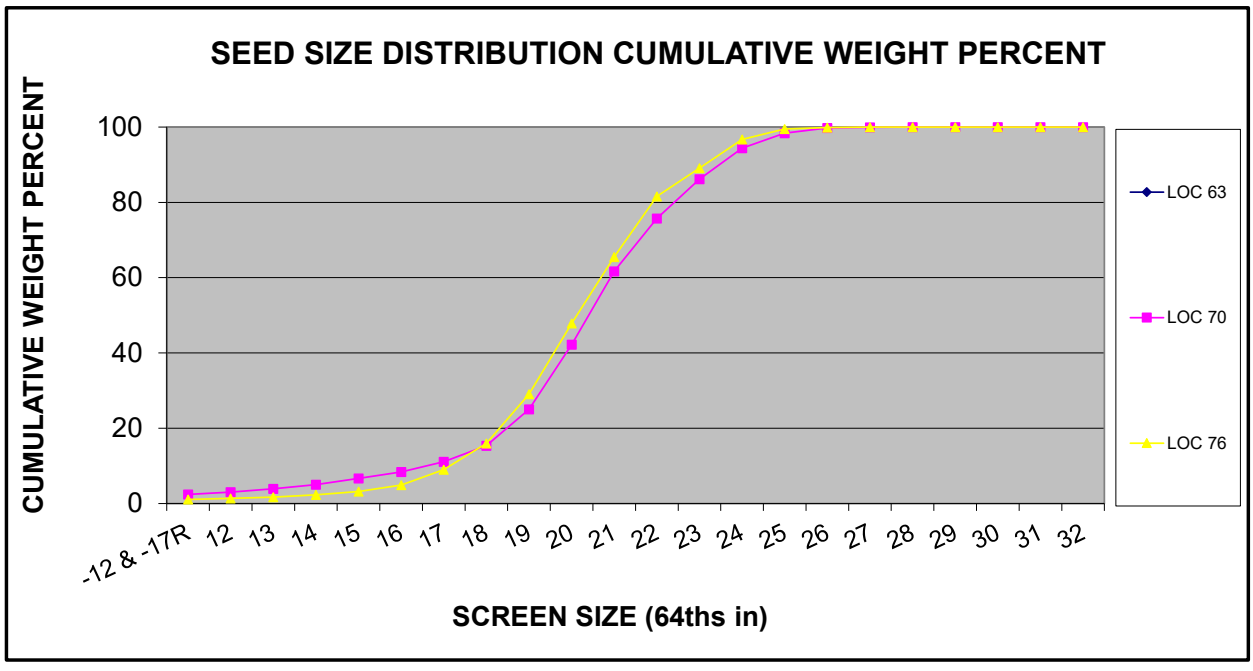
2024 SouthWest UPPT
TXL 100212-03-03
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

	LOCATION		
SCREEN SIZE	63	70	76
14		0.00	0.00
15		0.00	0.00
16		0.00	0.00
17		0.00	0.00
18		0.00	0.00
19		0.00	0.00
20		0.00	0.00
21		0.03	0.00
22		0.09	0.00
23		0.38	0.08
24		1.07	0.18
25		2.39	0.54
26		4.31	1.34
27		11.80	3.93
28		20.34	8.42
29		34.26	17.70
30		45.07	26.82
31		57.76	42.69
32		73.94	61.22
33		87.64	78.93
34		95.38	88.16
35		98.59	94.91
36		99.70	98.78
37		99.87	99.58
38		100.00	100.00
39		100.00	100.00
40		100.00	100.00
41		100.00	100.00
42		100.00	100.00
44		100.00	100.00
46		100.00	100.00
48		100.00	100.00



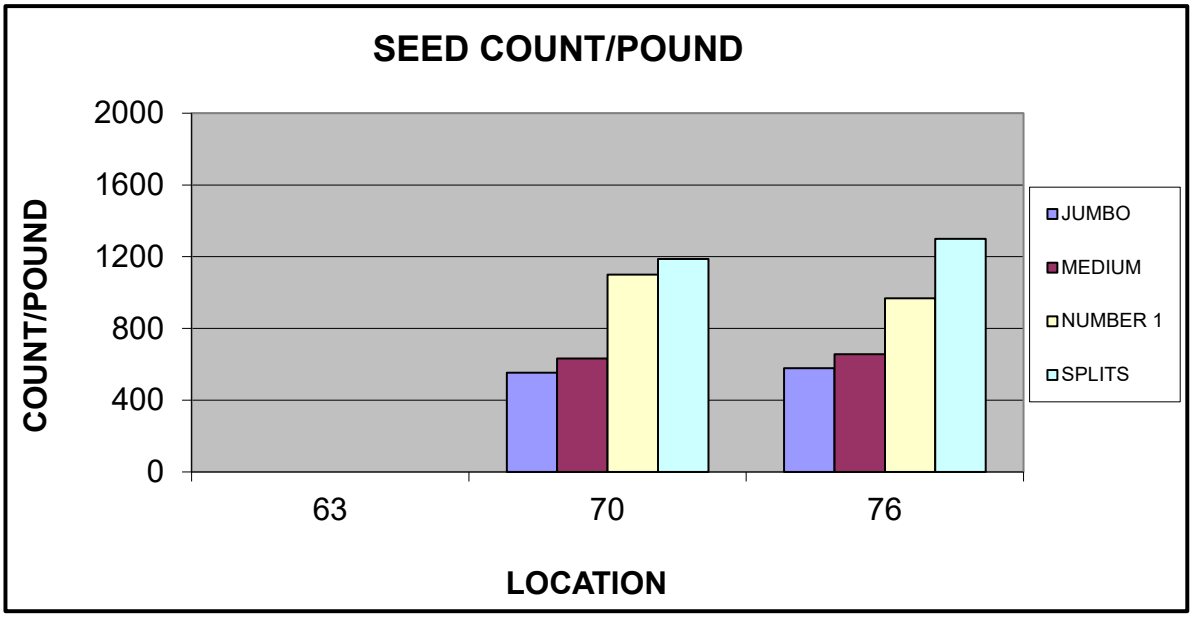
2024 SouthWest UPPT
TXL 100212-03-03
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

Screen Size	LOCATION 63	70	76
-12 & -17R		2.43	1.08
12		3.05	1.35
13		3.90	1.70
14		5.04	2.31
15		6.70	3.18
16		8.37	4.92
17		11.11	9.01
18		15.37	15.96
19		25.04	29.07
20		42.23	47.88
21		61.66	65.50
22		75.70	81.59
23		86.19	89.11
24		94.42	96.71
25		98.37	99.49
26		99.74	99.89
27		99.95	100.00
28		100.00	100.00
29		100.00	100.00
30		100.00	100.00
31		100.00	100.00
32		100.00	100.00



2024 SouthWest UPPT
TXL 100212-03-03
SEED COUNT/POUND TABLE

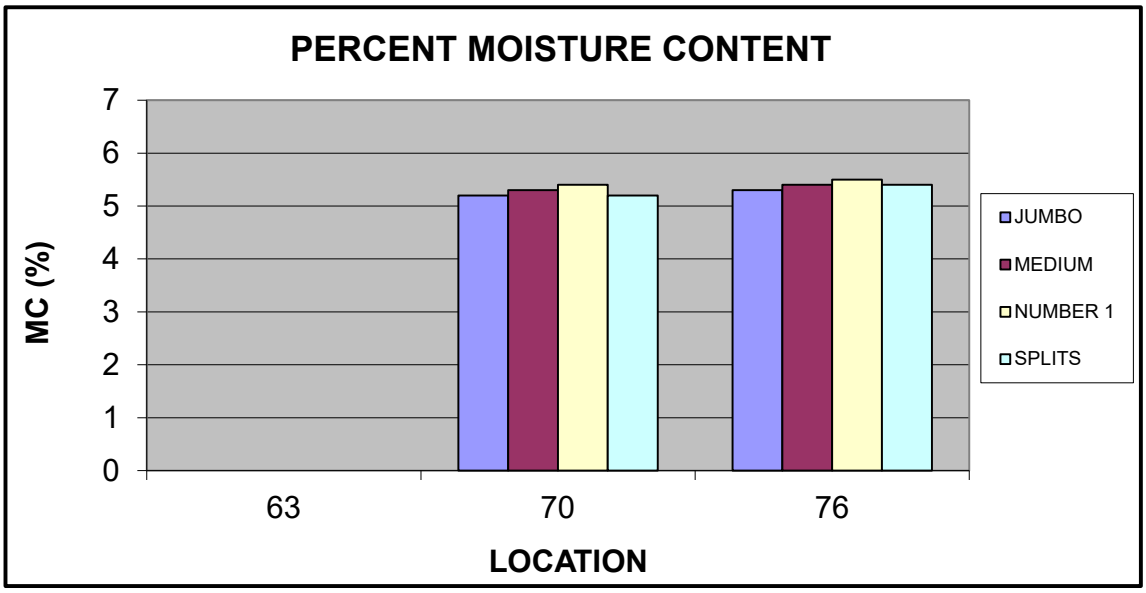
LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO		JUMBO	553	JUMBO	579
MEDIUM		MEDIUM	632	MEDIUM	656
NUMBER 1		NUMBER 1	1101	NUMBER 1	968
SPLITS		SPLITS	1187	SPLITS	1299



2024 SouthWest UPPT
TXL 100212-03-03
SEED MOISTURE CONTENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO		JUMBO	5.2	JUMBO	5.3
MEDIUM		MEDIUM	5.3	MEDIUM	5.4
NUMBER 1		NUMBER 1	5.4	NUMBER 1	5.5
SPLITS		SPLITS	5.2	SPLITS	5.4

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest UPPT
TXL 100212-03-03
Shelling Data

LOCATION 63 DATE:

STAGE	GRATE		WEIGHT	TIME
1st		initial		sec.
		grams shelled / min		
2nd		unshelled		sec.
		grams shelled / min		
3rd		unshelled		sec.
		grams shelled / min		
4th				
5th				
6th				
	Final grams unshelled			
	Total grams shelled			min.
	Total grams shelled / min			
	HULLS			

LOCATION 70 DATE: 2/5/2025

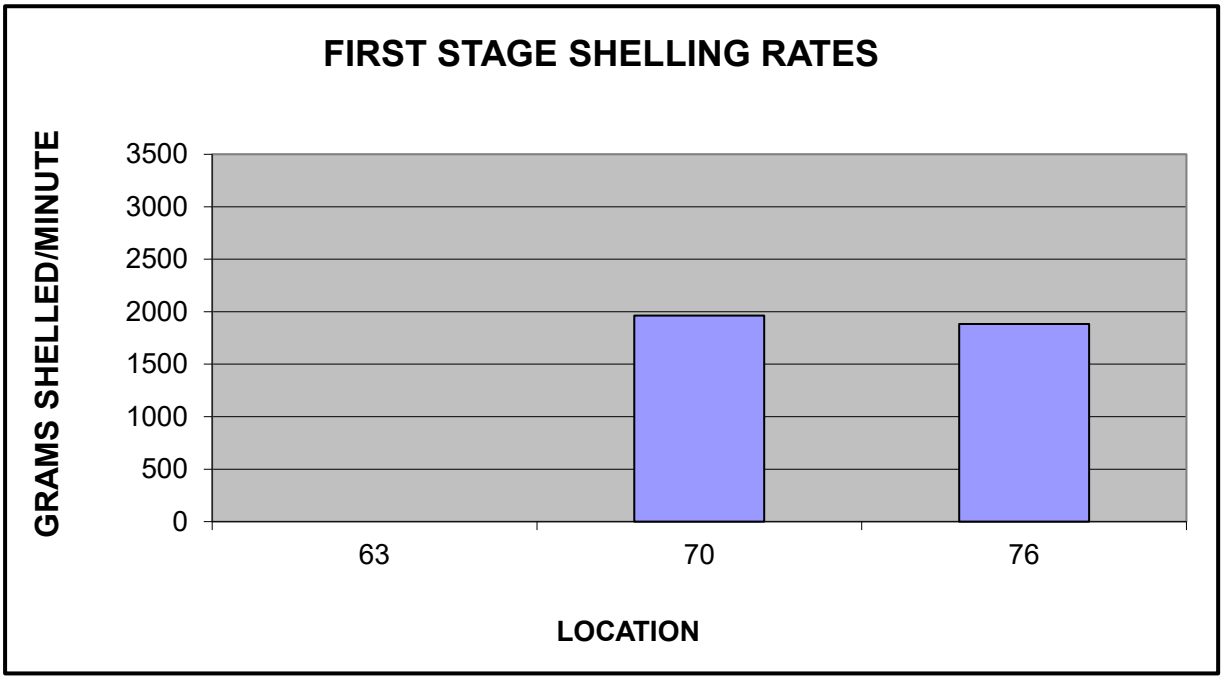
GRATE		WEIGHT	TIME
30	initial	5589.0	118 sec.
	grams shelled / min	1963.3	
27	unshelled	1727.8	71 sec.
	grams shelled / min	1021.5	
24	unshelled	519.0	56 sec.
	grams shelled / min	516.2	
21	unshelled	37.2	15 sec.
	grams shelled / min	148.8	
	Final grams unshelled	0.0	
	Total grams shelled	5589.0	4.33 min.
	Total grams shelled / min	1289.8	
	HULLS	1484.4	

LOCATION 76 DATE: 1/8/2025

STAGE	GRATE		WEIGHT	TIME
1st	27	initial	5388.8	162 sec.
		grams shelled / min	1883.3	
2nd	24	unshelled	304.0	39 sec.
		grams shelled / min	467.7	
3rd		unshelled	0.0	1 sec.
		grams shelled / min	0.0	
4th			0.0	1
			0.0	
5th			0.0	1
			0.0	
6th				
	Final grams unshelled		0.0	
	Total grams shelled		5388.8	3.40 min.
	Total grams shelled / min		1584.9	
	HULLS		1468.4	

2024 SouthWest UPPT
TXL 100212-03-03
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	0.0
70	1963.3
76	1883.3



2024 SouthWest UPPT
Lariat
POD BULK DENSITY TABLE

LOCATION 63

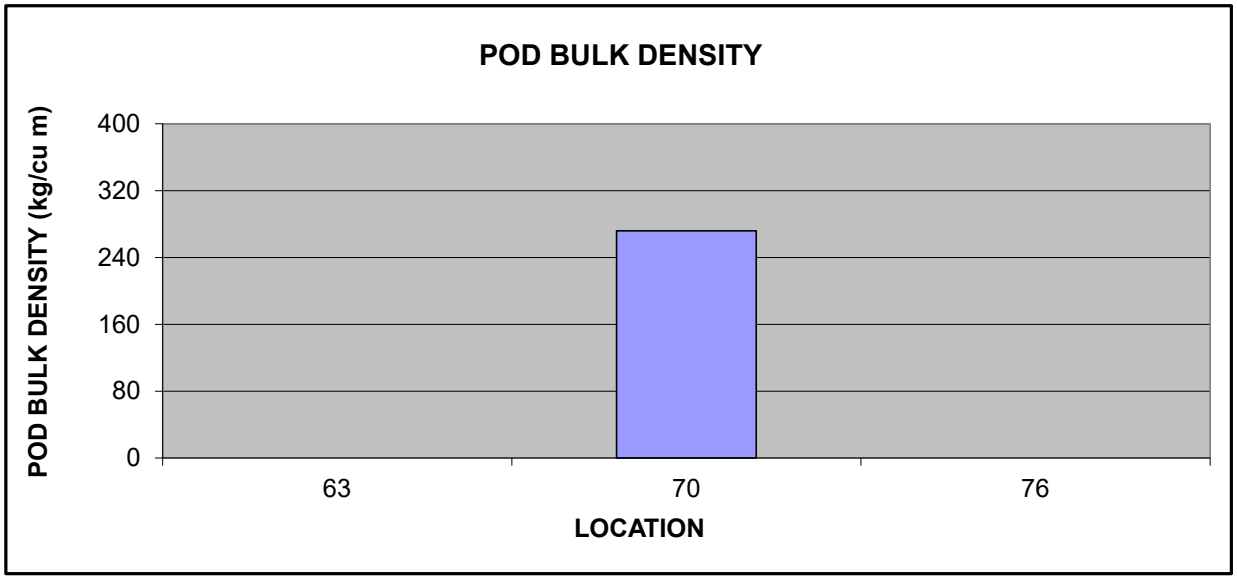
	Kg	cm	Kg/m3
BULK DENSITY			

LOCATION 70

	Kg	cm	Kg/m3
BULK DENSITY	5.73	22.70	271.77

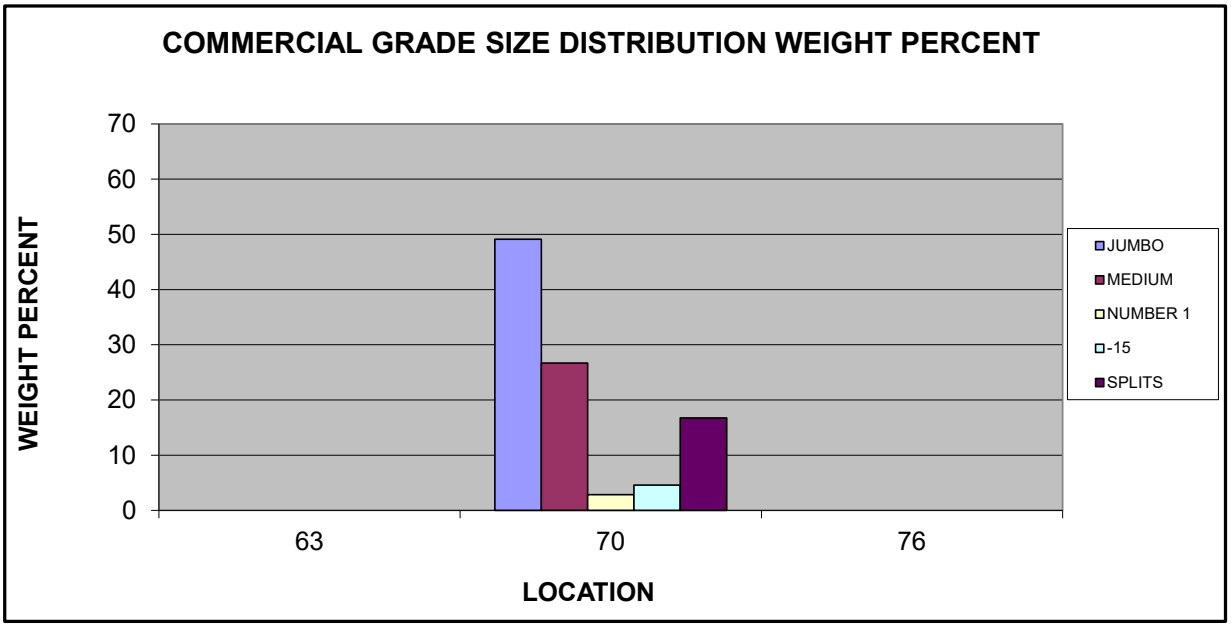
LOCATION 76

	Kg	cm	Kg/m3
BULK DENSITY			



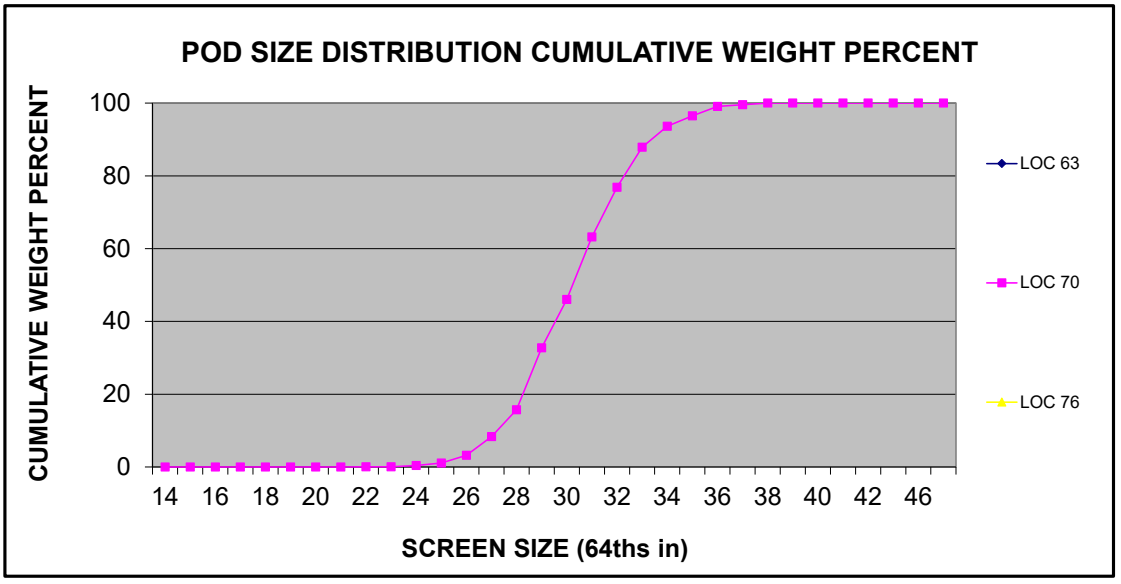
2024 SouthWest UPPT
Lariat
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63	LOCATION 70		LOCATION 76
JUMBO	JUMBO	49.13	JUMBO
MEDIUM	MEDIUM	26.70	MEDIUM
NUMBER 1	NUMBER 1	2.84	NUMBER 1
-15	-15	4.58	-15
SPLITS	SPLITS	16.74	SPLITS



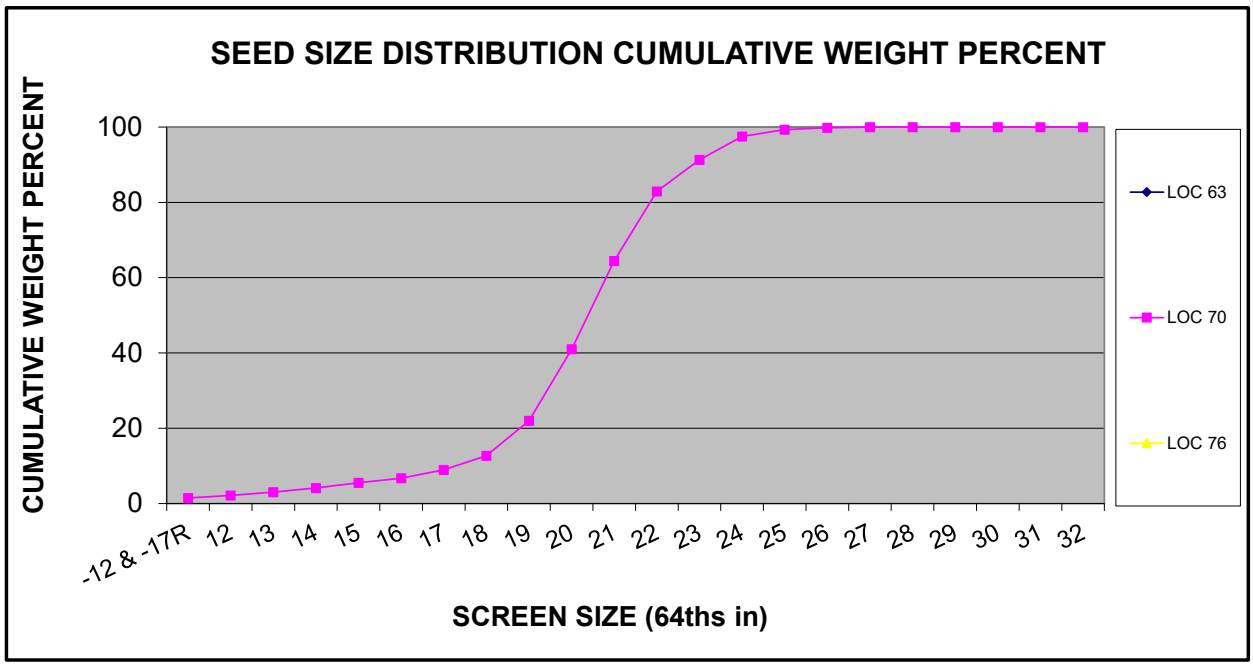
2024 SouthWest UPPT
Lariat
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

	LOCATION		
SCREEN SIZE	63	70	76
14		0.00	
15		0.00	
16		0.00	
17		0.00	
18		0.00	
19		0.00	
20		0.00	
21		0.00	
22		0.04	
23		0.06	
24		0.42	
25		1.08	
26		3.22	
27		8.35	
28		15.71	
29		32.73	
30		46.04	
31		63.20	
32		76.87	
33		87.86	
34		93.63	
35		96.47	
36		99.09	
37		99.56	
38		100.00	
39		100.00	
40		100.00	
41		100.00	
42		100.00	
44		100.00	
46		100.00	
48		100.00	



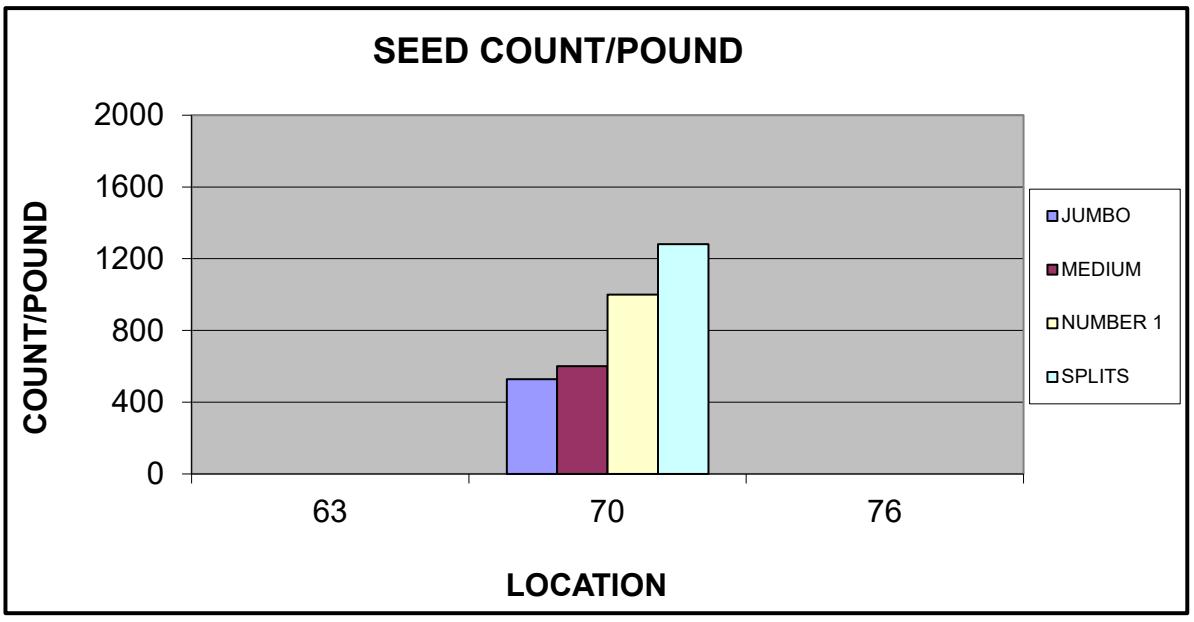
2024 SouthWest UPPT
Lariat
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

Screen Size	LOCATION 63	70	76
-12 & -17R		1.48	
12		2.12	
13		3.02	
14		4.13	
15		5.50	
16		6.72	
17		8.92	
18		12.69	
19		22.00	
20		40.99	
21		64.43	
22		82.91	
23		91.31	
24		97.51	
25		99.34	
26		99.83	
27		100.00	
28		100.00	
29		100.00	
30		100.00	
31		100.00	
32		100.00	



2024 SouthWest UPPT
Lariat
SEED COUNT/POUND TABLE

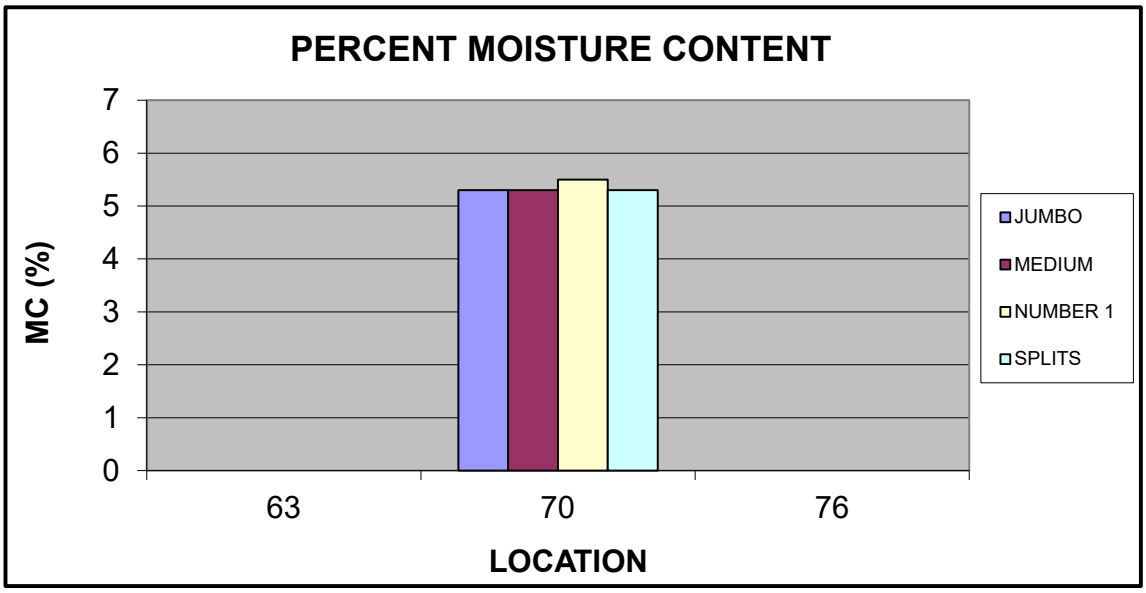
LOCATION 63	LOCATION 70		LOCATION 76
JUMBO	JUMBO	528	JUMBO
MEDIUM	MEDIUM	600	MEDIUM
NUMBER 1	NUMBER 1	999	NUMBER 1
SPLITS	SPLITS	1281	SPLITS



2024 SouthWest UPPT
Lariat
SEED MOISTURE CONTENT TABLE

LOCATION 63	LOCATION 70		LOCATION 76
JUMBO	JUMBO	5.3	JUMBO
MEDIUM	MEDIUM	5.3	MEDIUM
NUMBER 1	NUMBER 1	5.5	NUMBER 1
SPLITS	SPLITS	5.3	SPLITS

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest UPPT
Lariat
Shelling Data

LOCATION 63 DATE:

STAGE	GRATE		WEIGHT	TIME
1st	28	initial		sec.
		grams shelled / min		
2nd	25	unshelled		sec.
		grams shelled / min		
3rd	22	unshelled		sec.
		grams shelled / min		
4th				
5th				
6th				
	Final grams unshelled			
	Total grams shelled			min.
	Total grams shelled / min			
	HULLS			

LOCATION 70 DATE: 2/5/2025

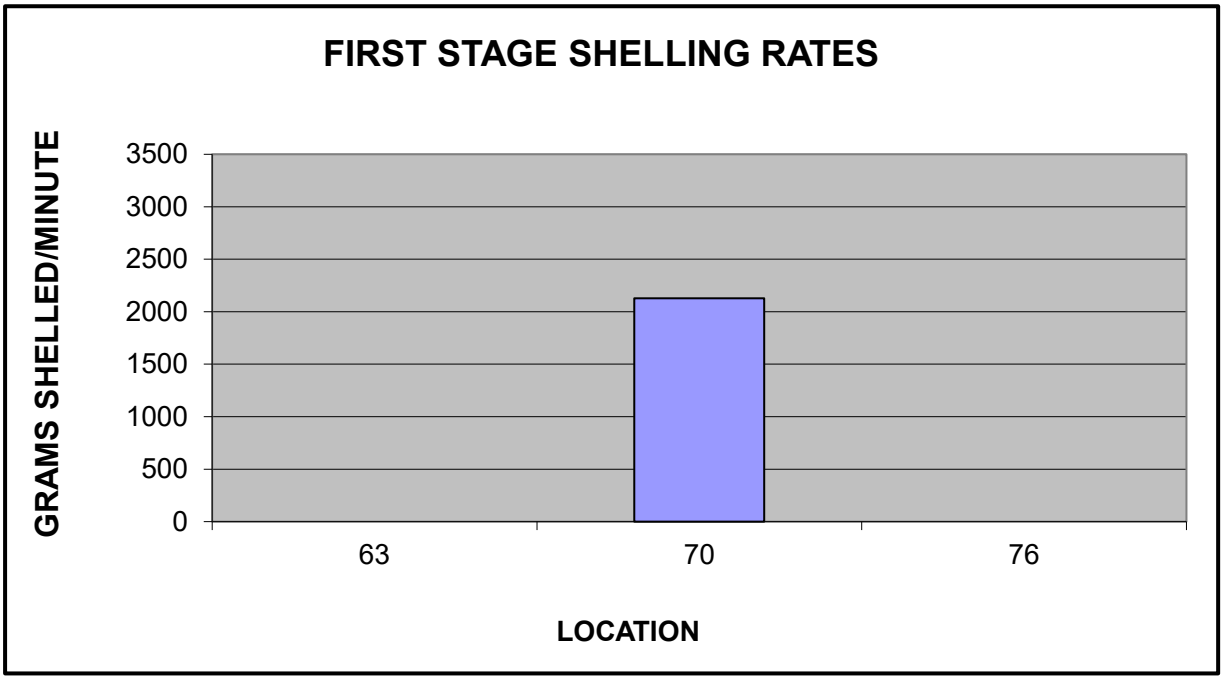
GRATE		WEIGHT	TIME
29	initial	5531.4	115 sec.
	grams shelled / min	2128.1	
26	unshelled	1452.6	58 sec.
	grams shelled / min	885.5	
23	unshelled	596.6	70 sec.
	grams shelled / min	510.9	
20	unshelled	0.6	18 sec.
	grams shelled / min	2.0	
Final grams unshelled		0.0	
Total grams shelled		5531.4	4.35 min.
Total grams shelled / min		1271.6	
HULLS		1269.0	

LOCATION 76 DATE:

STAGE	GRATE		WEIGHT	TIME
1st		initial		sec.
		grams shelled / min		
2nd		unshelled		sec.
		grams shelled / min		
3rd		unshelled		sec.
		grams shelled / min		
4th				
5th				
6th				
	Final grams unshelled			
	Total grams shelled			min.
	Total grams shelled / min			
	HULLS			

2024 SouthWest UPPT
Lariat
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	0.0
70	2128.1
76	0.0



2024 SouthWest UPPT
ARSOK R109-9L
POD BULK DENSITY TABLE

LOCATION 63

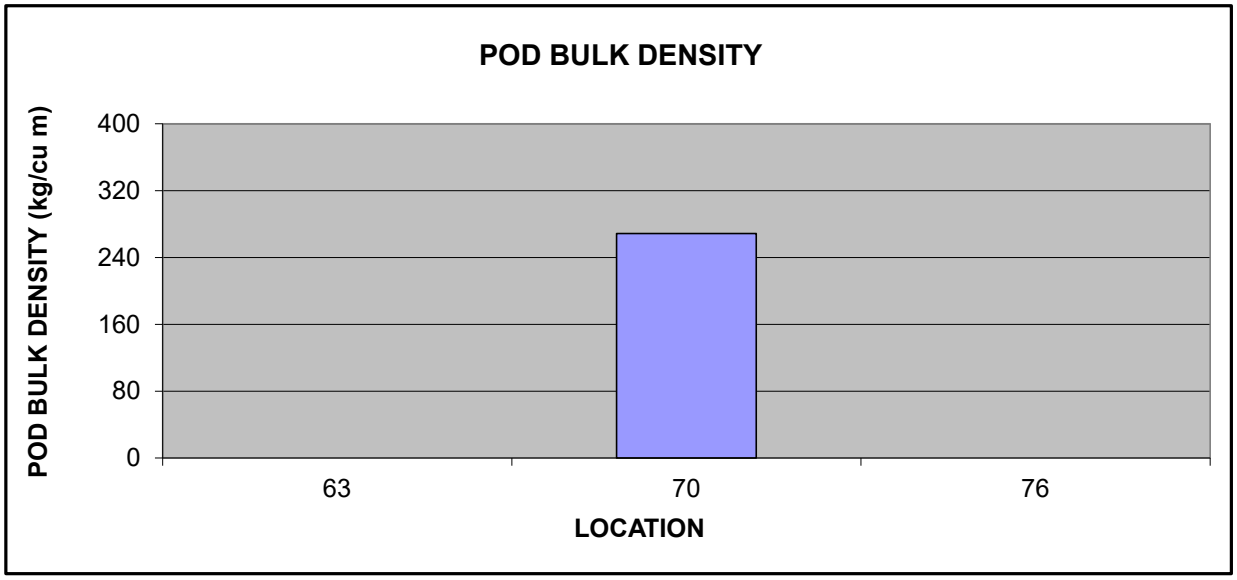
	Kg	cm	Kg/m3
BULK DENSITY			

LOCATION 70

	Kg	cm	Kg/m3
BULK DENSITY	5.61	22.50	268.53

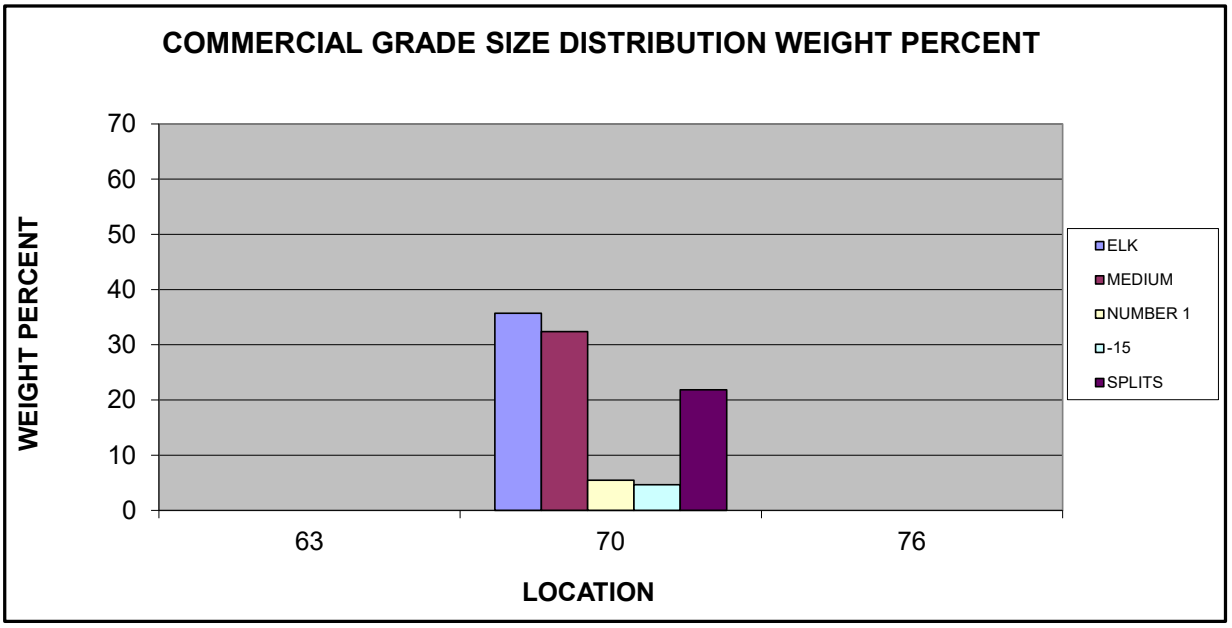
LOCATION 76

	Kg	cm	Kg/m3
BULK DENSITY			



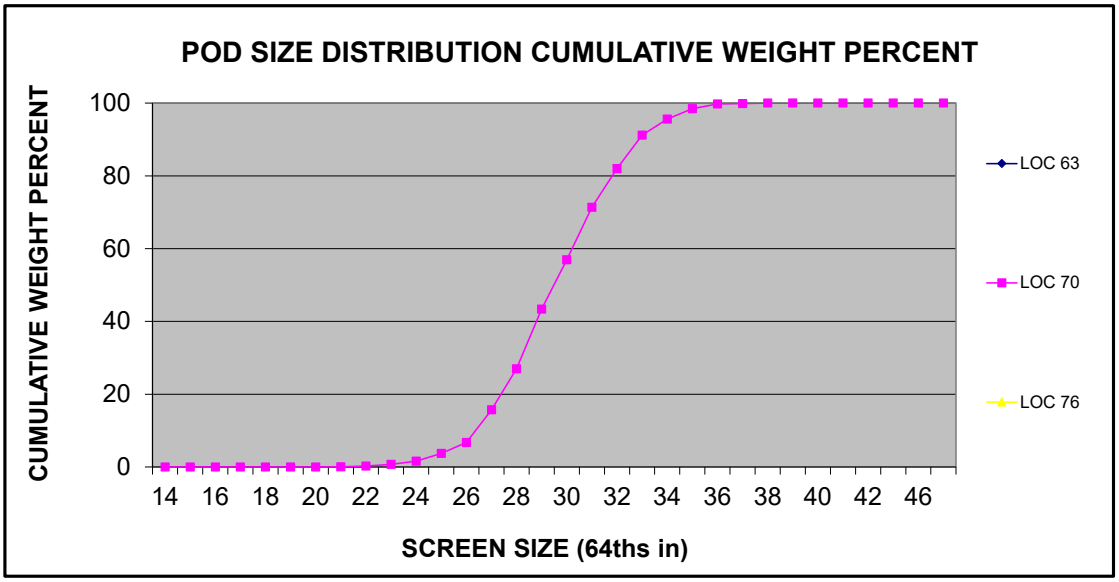
2024 SouthWest UPPT
ARSOK R109-9L
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63	LOCATION 70		LOCATION 76
JUMBO	JUMBO	35.69	JUMBO
MEDIUM	MEDIUM	32.38	MEDIUM
NUMBER 1	NUMBER 1	5.45	NUMBER 1
-15	-15	4.63	-15
SPLITS	SPLITS	21.84	SPLITS



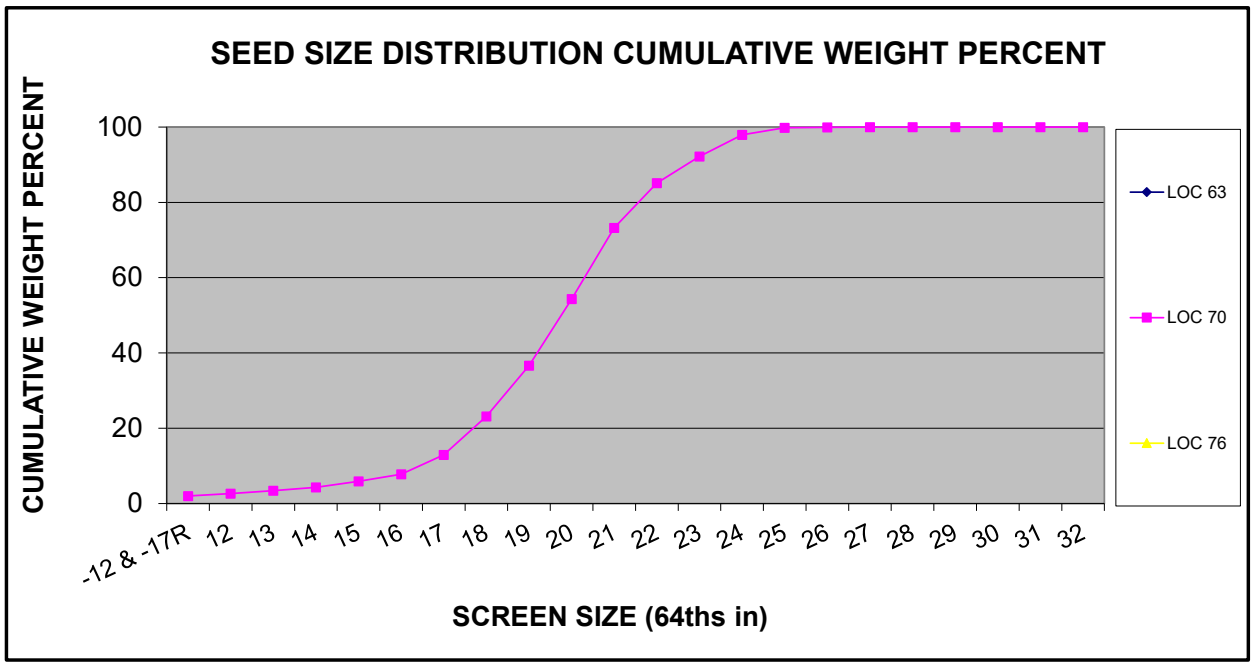
2024 SouthWest UPPT
ARSOK R109-9L
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

	LOCATION		
SCREEN SIZE	63	70	76
14		0.00	
15		0.00	
16		0.00	
17		0.00	
18		0.00	
19		0.00	
20		0.00	
21		0.02	
22		0.26	
23		0.71	
24		1.61	
25		3.72	
26		6.74	
27		15.73	
28		26.96	
29		43.39	
30		56.92	
31		71.35	
32		82.01	
33		91.19	
34		95.59	
35		98.45	
36		99.77	
37		99.86	
38		100.00	
39		100.00	
40		100.00	
41		100.00	
42		100.00	
44		100.00	
46		100.00	
48		100.00	



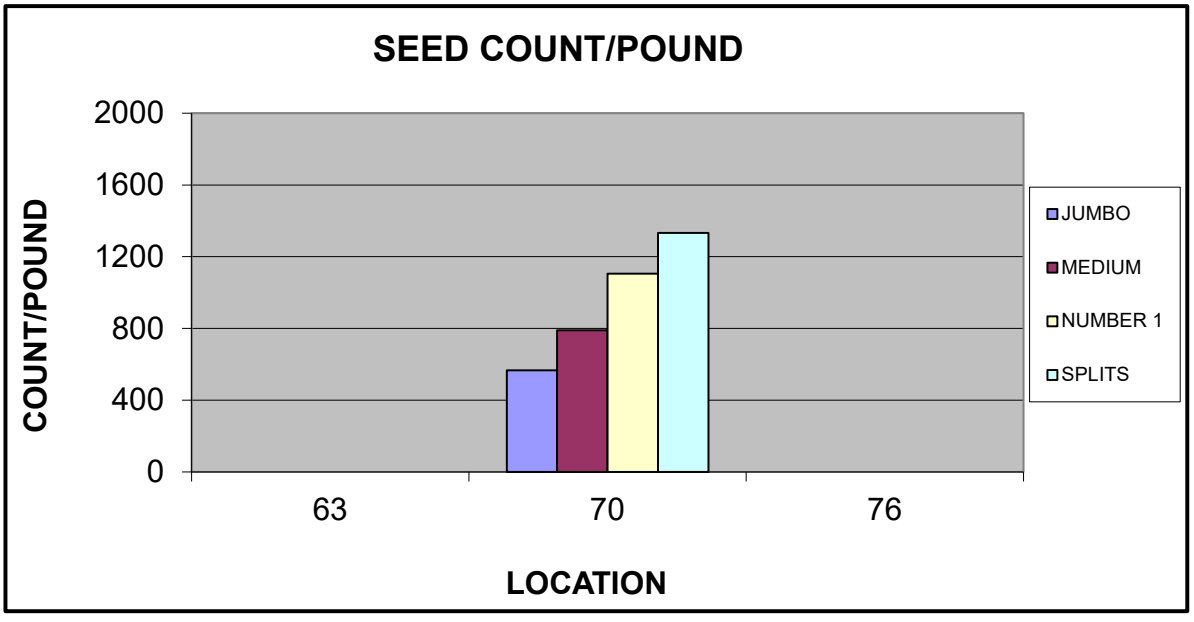
2024 SouthWest UPPT
ARSOK R109-9L
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

	LOCATION		
Screen Size	63	70	76
-12 & -17R		2.01	
12		2.67	
13		3.41	
14		4.33	
15		5.93	
16		7.80	
17		12.90	
18		23.17	
19		36.67	
20		54.33	
21		73.21	
22		85.10	
23		92.21	
24		97.95	
25		99.81	
26		99.93	
27		100.00	
28		100.00	
29		100.00	
30		100.00	
31		100.00	
32		100.00	



2024 SouthWest UPPT
ARSOK R109-9L
SEED COUNT/POUND TABLE

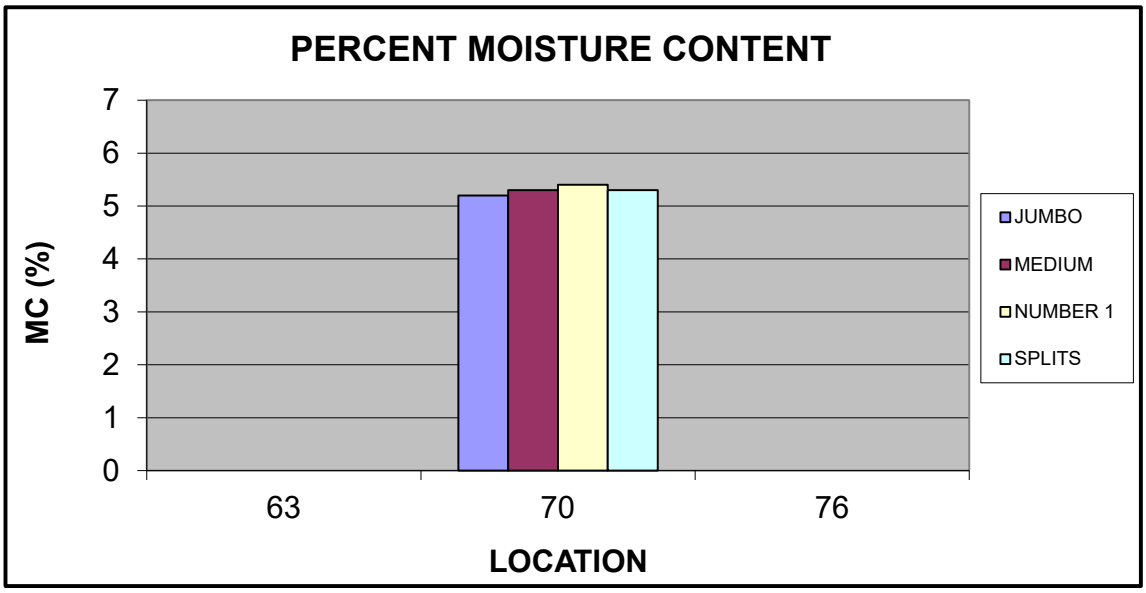
LOCATION 63	LOCATION 70		LOCATION 76
JUMBO	JUMBO	566	JUMBO
MEDIUM	MEDIUM	789	MEDIUM
NUMBER 1	NUMBER 1	1106	NUMBER 1
SPLITS	SPLITS	1333	SPLITS



2024 SouthWest UPPT
ARSOK R109-9L
SEED MOISTURE CONTENT TABLE

LOCATION 63	LOCATION 70		LOCATION 76
JUMBO	JUMBO	5.2	JUMBO
MEDIUM	MEDIUM	5.3	MEDIUM
NUMBER 1	NUMBER 1	5.4	NUMBER 1
SPLITS	SPLITS	5.3	SPLITS

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest UPPT
ARSOK R109-9L
Shelling Data

LOCATION 63 DATE:

STAGE	GRATE		WEIGHT	TIME
1st	28	initial		sec.
		grams shelled / min		
2nd	25	unshelled		sec.
		grams shelled / min		
3rd	22	unshelled		sec.
		grams shelled / min		
4th				
5th				
6th				
	Final grams unshelled			
	Total grams shelled			min.
	Total grams shelled / min			
	HULLS			

LOCATION 70 DATE: 2/5/2025

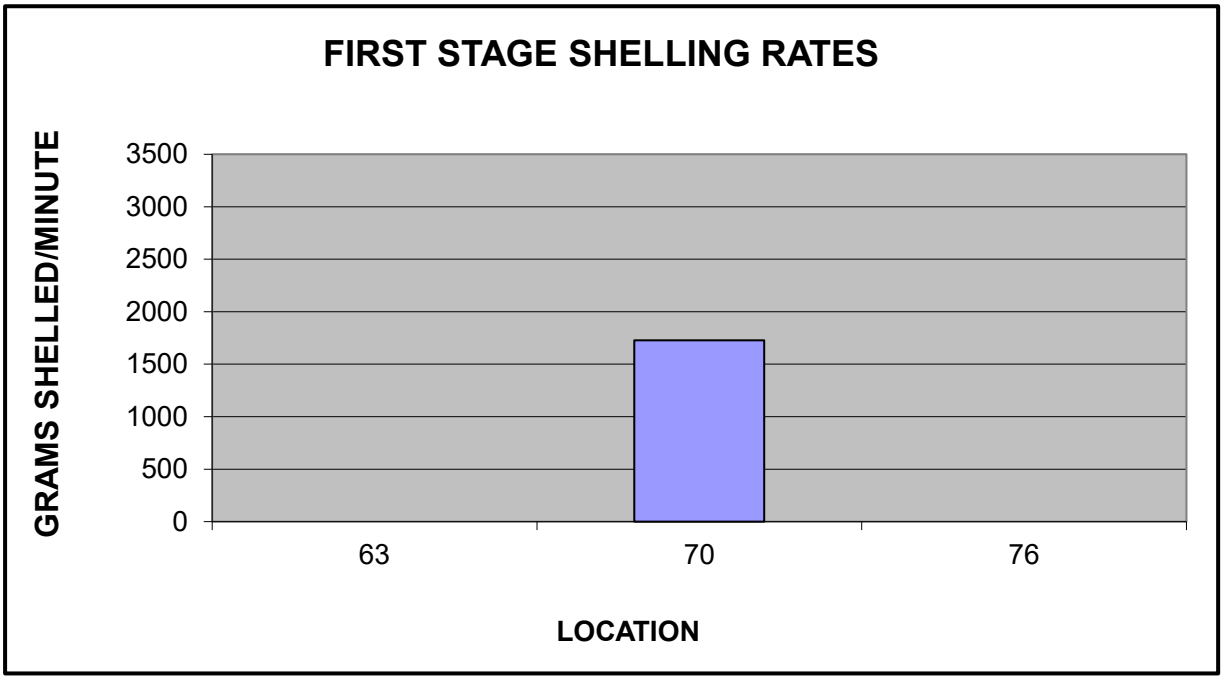
GRATE		WEIGHT	TIME
29	initial	5413.2	109 sec.
	grams shelled / min	1727.4	
26	unshelled	2275.0	63 sec.
	grams shelled / min	877.5	
23	unshelled	1353.6	123 sec.
	grams shelled / min	559.1	
20	unshelled	207.4	15 sec.
	grams shelled / min	829.6	
Final grams unshelled		0.0	
Total grams shelled		5413.2	5.17 min.
Total grams shelled / min		1047.7	
HULLS		1294.4	

LOCATION 76 DATE:

STAGE	GRATE		WEIGHT	TIME
1st		initial		sec.
		grams shelled / min		
2nd		unshelled		sec.
		grams shelled / min		
3rd		unshelled		sec.
		grams shelled / min		
4th				
5th				
6th				
	Final grams unshelled			
	Total grams shelled			min.
	Total grams shelled / min			
	HULLS			

2024 SouthWest UPPT
ARSOK R109-9L
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	0.0
70	1727.4
76	0.0



2024 SouthWest UPPT
Comrade
POD BULK DENSITY TABLE

LOCATION 63

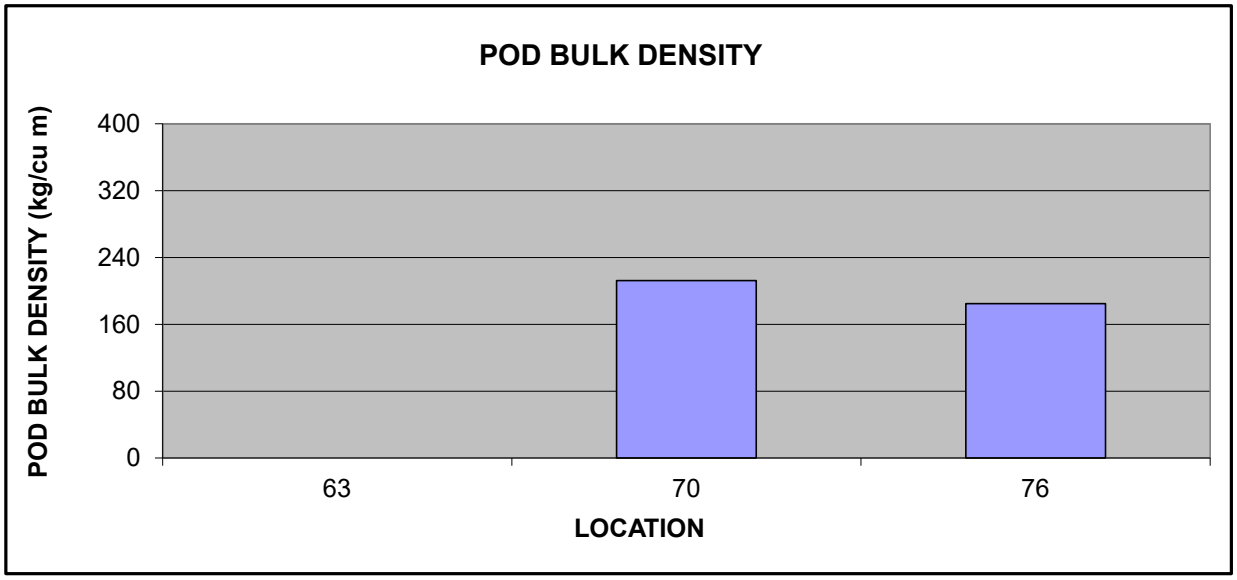
BULK	Kg	cm	Kg/m3
DENSITY			

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.61	28.43	212.31

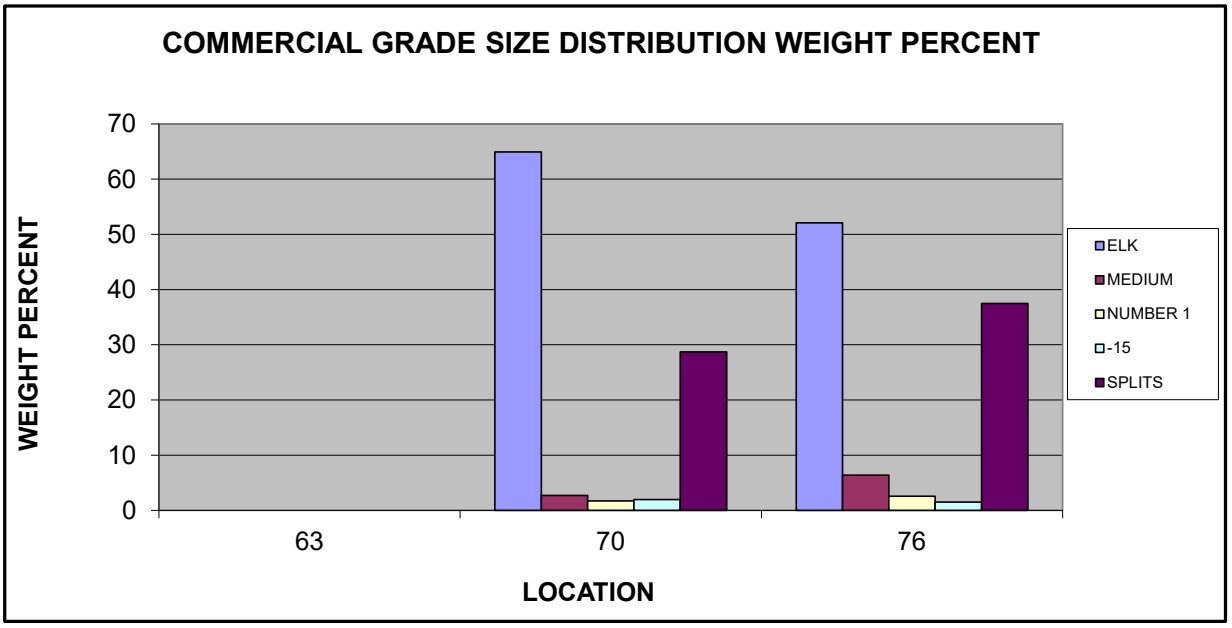
LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	5.15	30.00	184.80



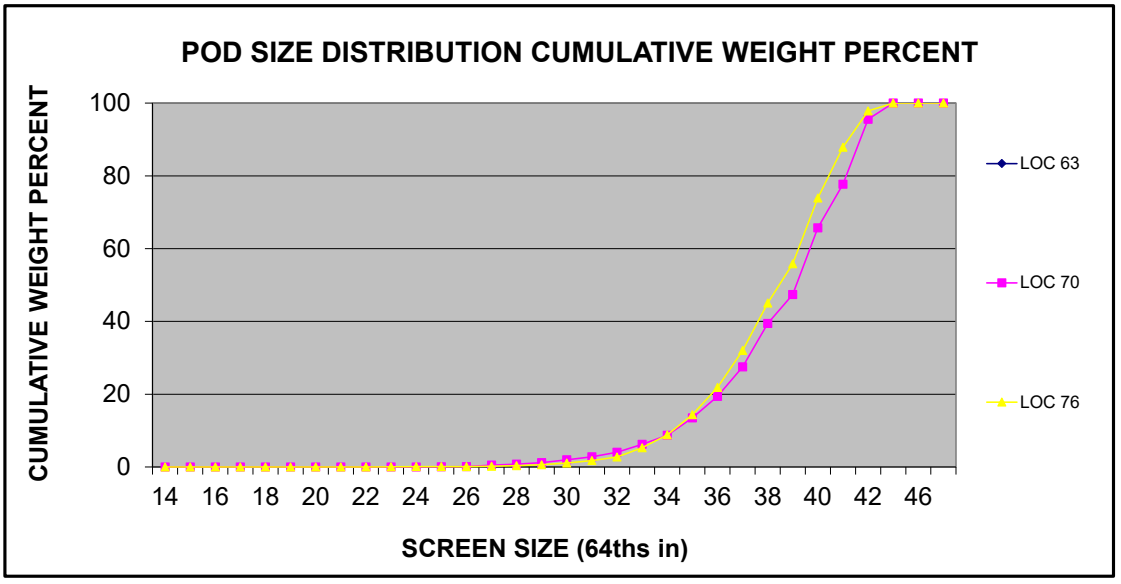
2024 SouthWest UPPT
Comrade
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63	LOCATION 70		LOCATION 76	
ELK	ELK	64.92	ELK	52.07
MEDIUM	MEDIUM	2.71	MEDIUM	6.38
NUMBER 1	NUMBER 1	1.70	NUMBER 1	2.57
-15	-15	1.96	-15	1.50
SPLITS	SPLITS	28.71	SPLITS	37.48



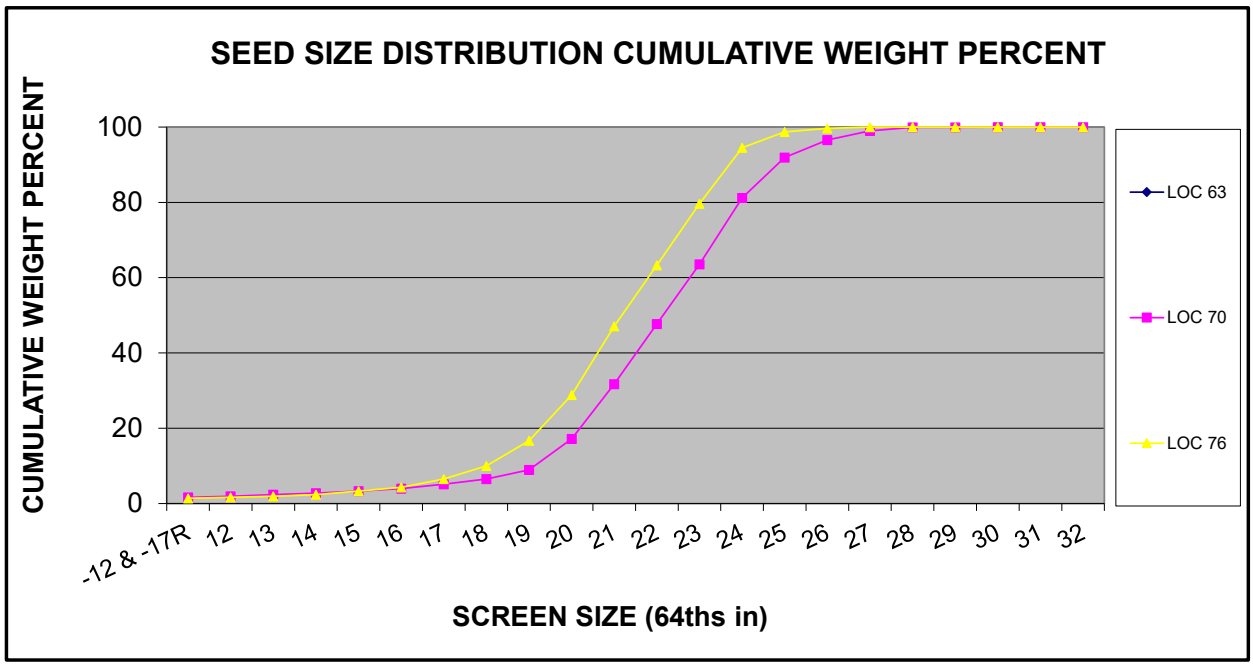
2024 SouthWest UPPT
Comrade
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

	LOCATION		
SCREEN SIZE	63	70	76
14		0.00	0.00
15		0.00	0.00
16		0.00	0.00
17		0.00	0.00
18		0.00	0.00
19		0.00	0.00
20		0.00	0.00
21		0.00	0.00
22		0.00	0.00
23		0.00	0.02
24		0.00	0.08
25		0.05	0.10
26		0.12	0.12
27		0.50	0.20
28		0.76	0.35
29		1.18	0.59
30		1.99	1.07
31		2.80	1.74
32		4.06	2.75
33		6.22	5.28
34		8.72	8.81
35		13.48	14.37
36		19.42	21.87
37		27.49	32.02
38		39.42	45.05
39		47.37	55.86
40		65.72	73.92
41		77.71	87.89
42		95.58	97.84
44		100.00	100.00
46		100.00	100.00
48		100.00	100.00



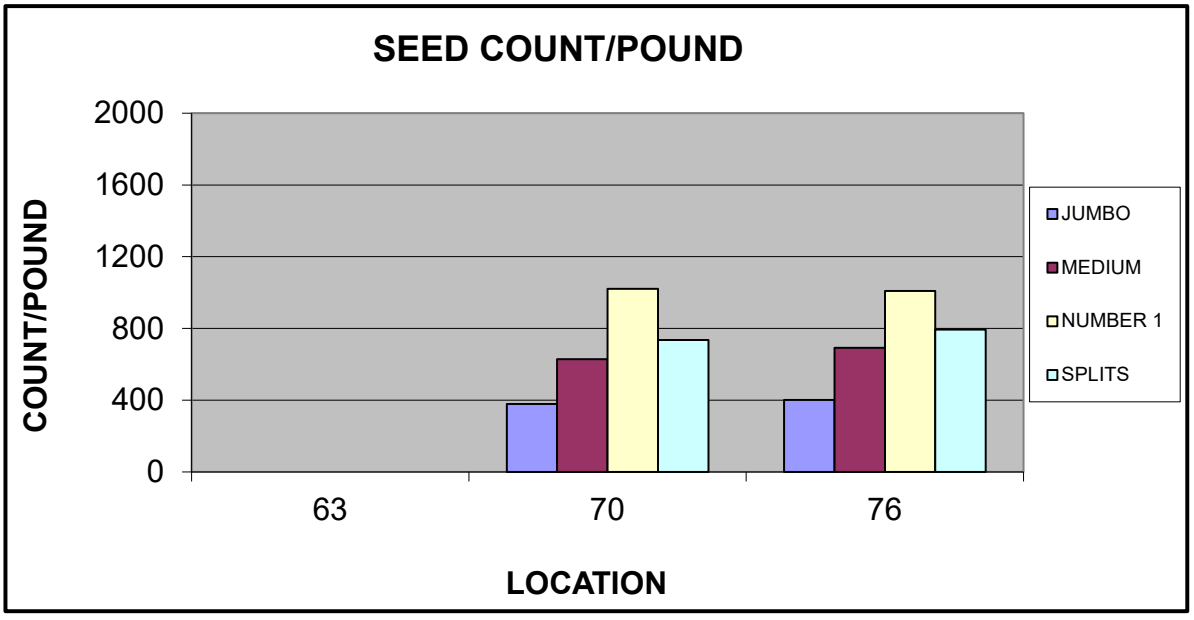
2024 SouthWest UPPT
Comrade
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

	LOCATION		
Screen Size	63	70	76
-12 & -17R		1.64	1.40
12		1.91	1.65
13		2.37	1.96
14		2.74	2.40
15		3.31	3.28
16		3.97	4.28
17		5.13	6.50
18		6.53	9.99
19		8.94	16.71
20		17.20	28.88
21		31.71	47.07
22		47.69	63.30
23		63.55	79.67
24		81.21	94.51
25		91.90	98.74
26		96.54	99.64
27		98.99	100.00
28		99.91	100.00
29		99.95	100.00
30		100.00	100.00
31		100.00	100.00
32		100.00	100.00



2024 SouthWest UPPT
Comrade
SEED COUNT/POUND TABLE

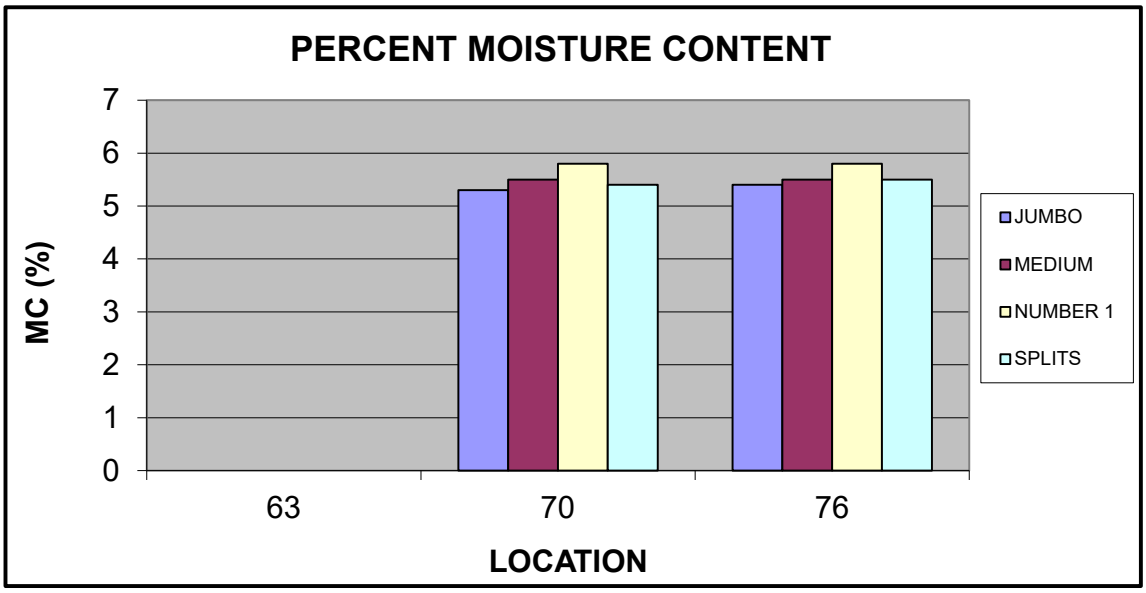
LOCATION 63		LOCATION 70		LOCATION 76	
ELK		ELK	378	ELK	400.9
MEDIUM		MEDIUM	628	MEDIUM	692.5
NUMBER 1		NUMBER 1	1020	NUMBER 1	1008.7
SPLITS		SPLITS	736	SPLITS	794.1



2024 SouthWest UPPT
Comrade
SEED MOISTURE CONTENT TABLE

LOCATION 63	LOCATION 70		LOCATION 76	
ELK	ELK	5.3	ELK	5.4
MEDIUM	MEDIUM	5.5	MEDIUM	5.5
NUMBER 1	NUMBER 1	5.8	NUMBER 1	5.8
SPLITS	SPLITS	5.4	SPLITS	5.5

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest UPPT
Comrade
Shelling Data

LOCATION 63 DATE: April 5, 2022

STAGE	GRATE		WEIGHT	TIME
1st		initial		sec.
		grams shelled / min		
2nd		unshelled		sec.
		grams shelled / min		
3rd		unshelled		sec.
		grams shelled / min		
4th				
5th				
6th				
Final grams unshelled				
Total grams shelled				min.
Total grams shelled / min				
HULLS				

LOCATION 70 DATE: 2/5/2025

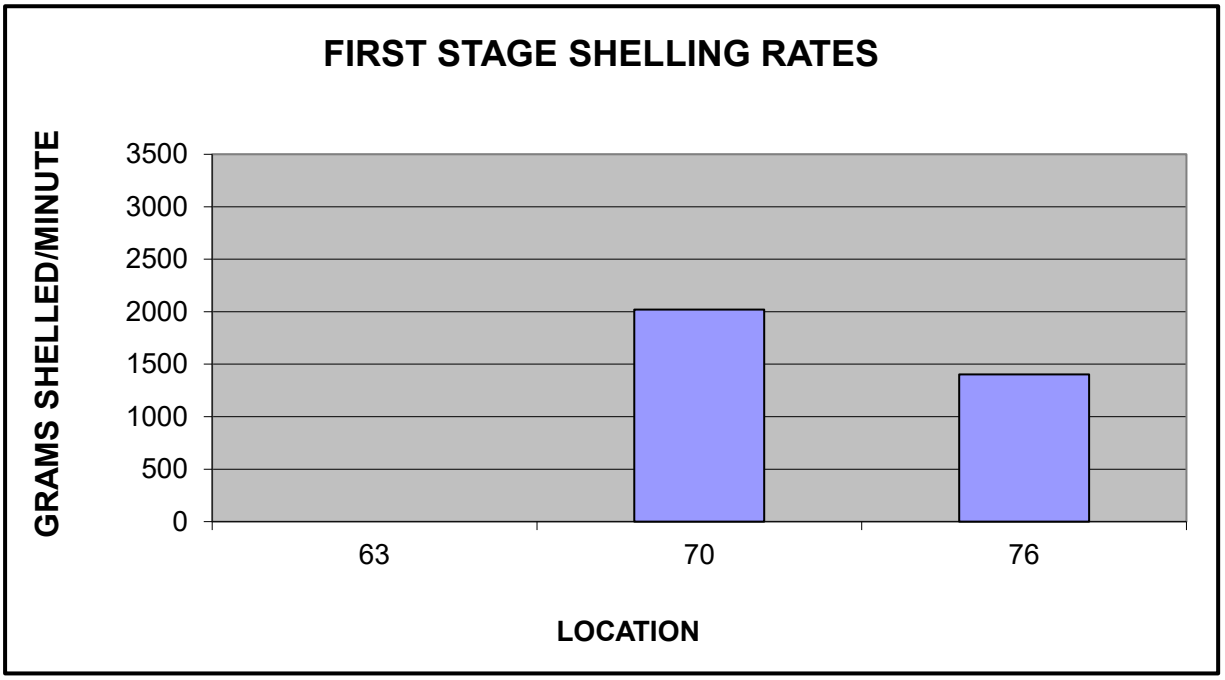
GRATE		WEIGHT	TIME
30	initial	5406.6	152 sec.
	grams shelled / min	2019.9	
27	unshelled	289.4	20 sec.
	grams shelled / min	366.6	
24	unshelled	167.2	11 sec.
	grams shelled / min	912.0	
	unshelled		sec.
	grams shelled / min		
Final grams unshelled		0.0	
Total grams shelled		5406.6	3.05 min.
Total grams shelled / min		1772.7	
HULLS		1429.0	

LOCATION 76 DATE: 1/8/2025

GRATE		WEIGHT	TIME
29	initial	4950.6	201 sec.
	grams shelled / min	1401.8	
26	unshelled	254.6	12 sec.
	grams shelled / min	1273.0	
	unshelled	0.0	1 sec.
	grams shelled / min	0.0	
Final grams unshelled		0.0	
Total grams shelled		4950.6	3.57 min.
Total grams shelled / min		1388.0	
HULLS		1499.6	

2024 SouthWest UPPT
Comrade
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	0.0
70	2019.9
76	1401.8



2024 SouthWest UPPT
TP220694-5-1
POD BULK DENSITY TABLE

LOCATION 63

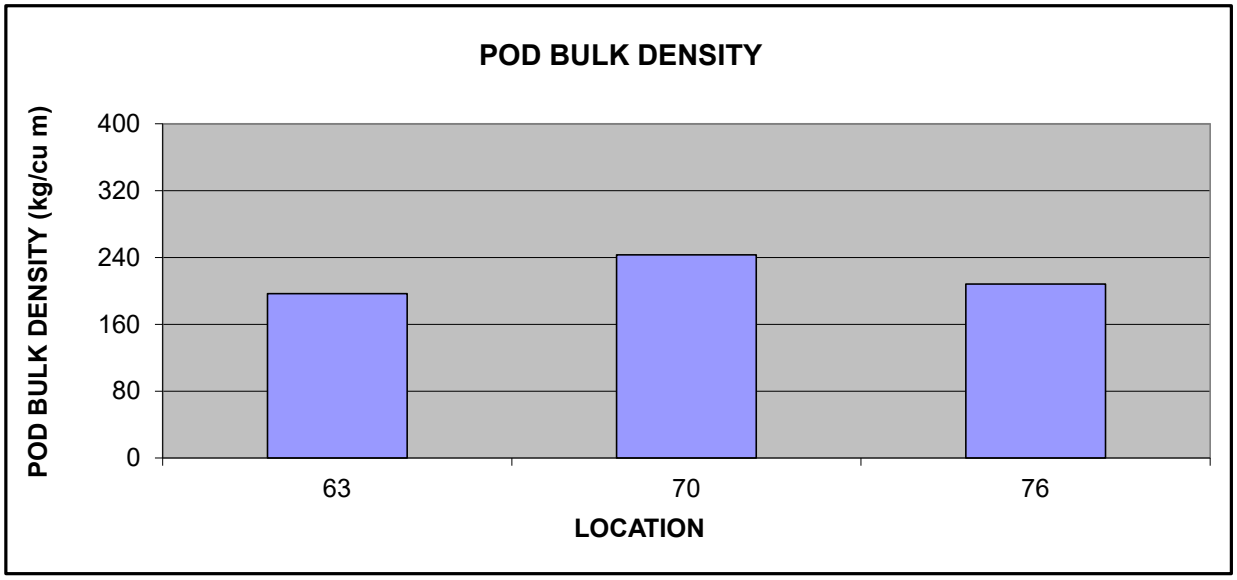
BULK	Kg	cm	Kg/m3
DENSITY	4.05	22.18	196.60

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.70	25.23	243.16

LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	5.52	28.53	208.11

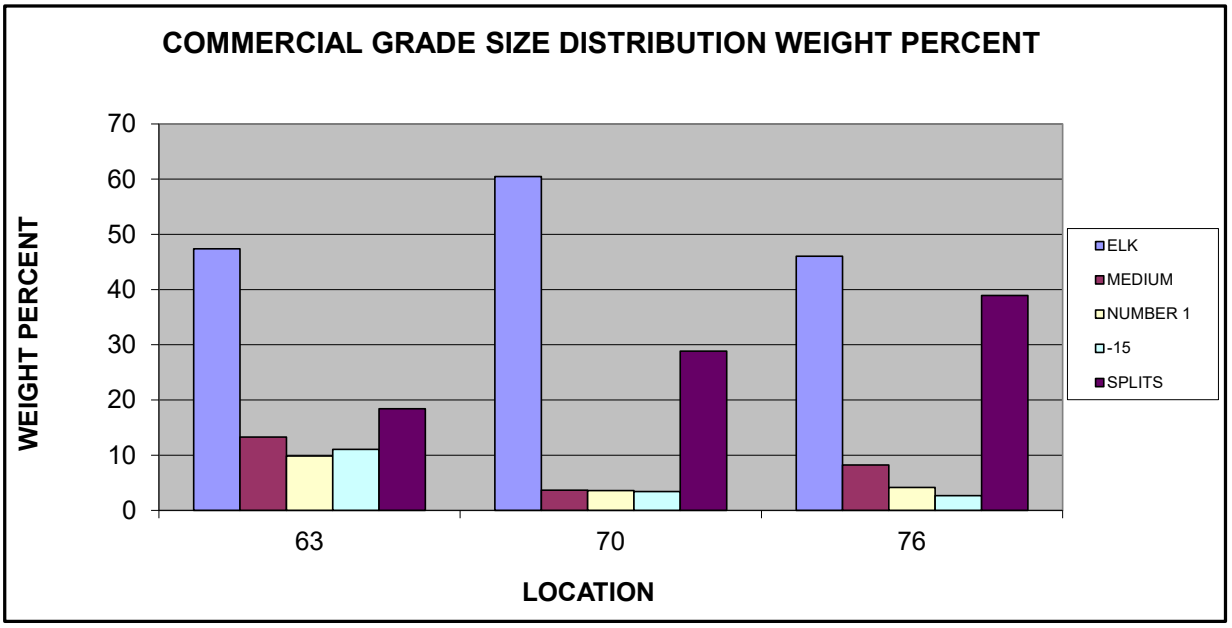


2024 SouthWest UPPT
TP220694-5-1
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63	
ELK	47.39
MEDIUM	13.29
NUMBER 1	9.84
-15	11.04
SPLITS	18.43

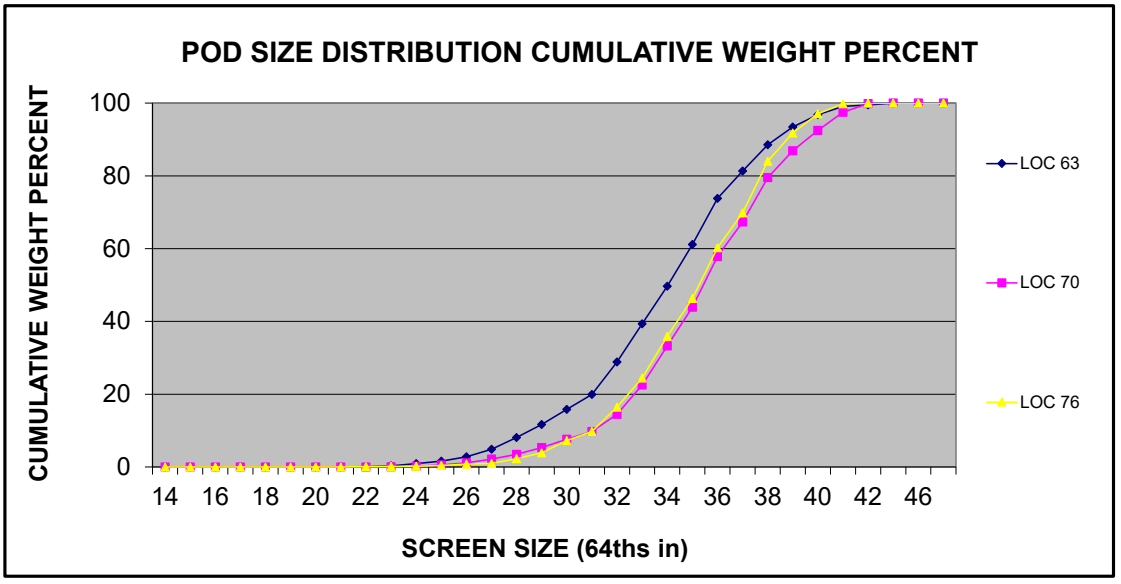
LOCATION 70	
ELK	60.49
MEDIUM	3.66
NUMBER 1	3.59
-15	3.42
SPLITS	28.85

LOCATION 76	
ELK	46.04
MEDIUM	8.21
NUMBER 1	4.14
-15	2.67
SPLITS	38.93



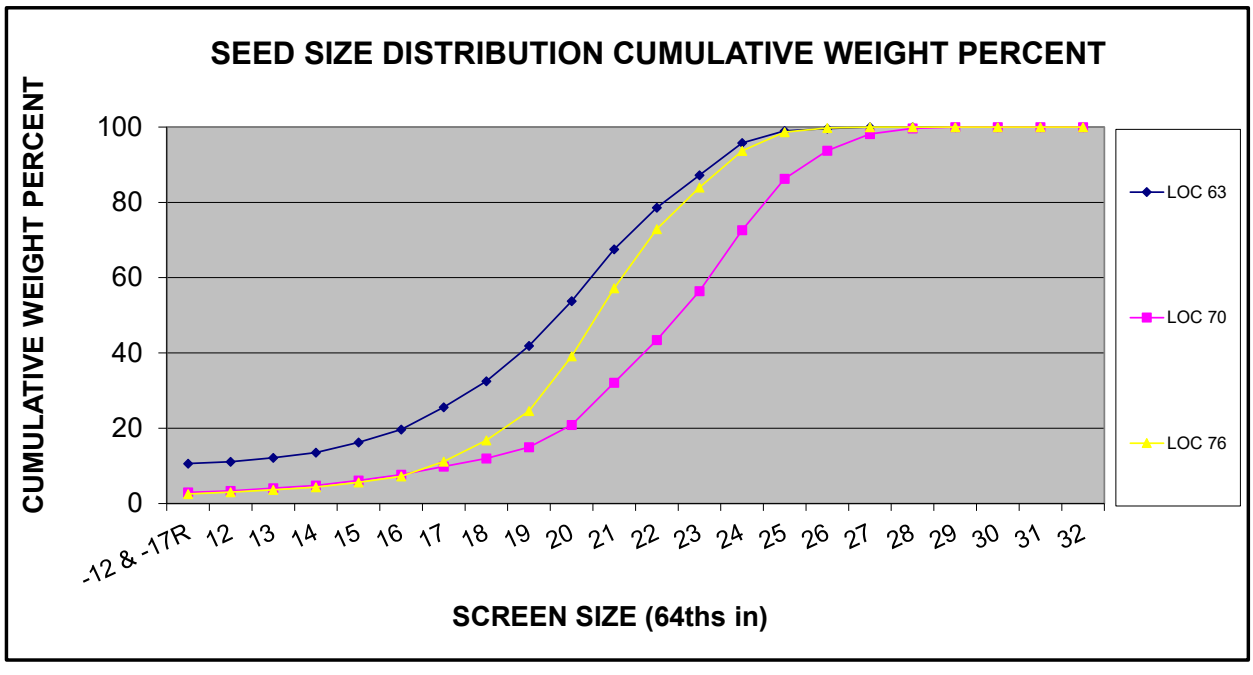
2024 SouthWest UPPT
TP220694-5-1
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

SCREEN SIZE	LOCATION 63	70	76
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.00	0.00	0.00
21	0.00	0.00	0.00
22	0.08	0.00	0.07
23	0.31	0.04	0.12
24	0.94	0.21	0.18
25	1.58	0.55	0.38
26	2.80	1.11	0.76
27	4.86	2.19	0.97
28	8.07	3.49	2.27
29	11.67	5.35	3.88
30	15.83	7.64	7.26
31	19.90	9.74	9.75
32	28.85	14.50	16.45
33	39.33	22.50	24.43
34	49.66	33.29	35.91
35	61.13	43.89	46.30
36	73.83	57.89	60.26
37	81.34	67.32	69.88
38	88.55	79.54	84.03
39	93.43	86.88	91.79
40	96.82	92.49	97.07
41	99.11	97.50	99.80
42	99.50	99.84	100.00
44	100.00	100.00	100.00
46	100.00	100.00	100.00
48	100.00	100.00	100.00



2024 SouthWest UPPT
TP220694-5-1
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

Screen Size	LOCATION 63	70	76
-12 & -17R	10.63	2.96	2.55
12	11.12	3.35	3.02
13	12.14	4.10	3.66
14	13.54	4.80	4.37
15	16.25	6.14	5.61
16	19.65	7.70	7.26
17	25.60	9.85	11.15
18	32.47	11.99	16.79
19	41.90	14.99	24.60
20	53.79	20.87	39.12
21	67.53	32.10	57.23
22	78.60	43.44	72.88
23	87.19	56.43	83.95
24	95.78	72.63	93.69
25	98.99	86.29	98.66
26	99.60	93.74	99.79
27	100.00	98.17	100.00
28	100.00	99.65	100.00
29	100.00	100.00	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00

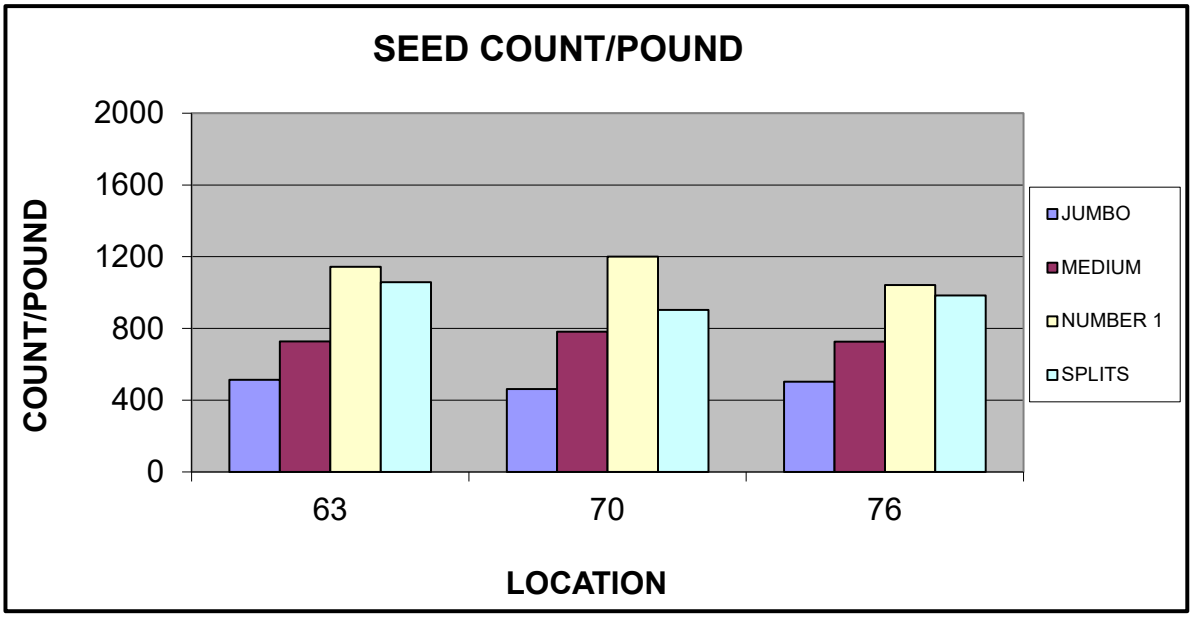


2024 SouthWest UPPT
TP220694-5-1
SEED COUNT/POUND TABLE

LOCATION 63	
ELK	513
MEDIUM	728
NUMBER 1	1144
SPLITS	1058

LOCATION 70	
ELK	463
MEDIUM	782
NUMBER 1	1201
SPLITS	904

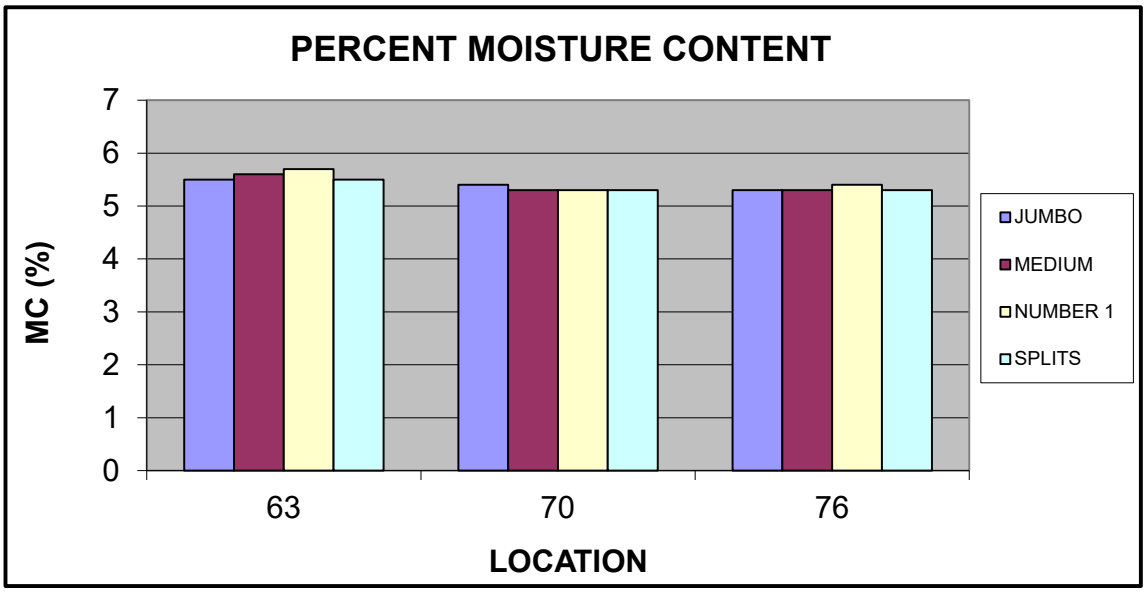
LOCATION 76	
ELK	504
MEDIUM	726
NUMBER 1	1042
SPLITS	984



2024 SouthWest UPPT
TP220694-5-1
SEED MOISTURE CONTENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
ELK	5.5	ELK	5.4	ELK	5.3
MEDIUM	5.6	MEDIUM	5.3	MEDIUM	5.3
NUMBER 1	5.7	NUMBER 1	5.3	NUMBER 1	5.4
SPLITS	5.5	SPLITS	5.3	SPLITS	5.3

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest UPPT
TP220694-5-1
Shelling Data

LOCATION 63 DATE: 2/24/2025

STAGE	GRATE		WEIGHT	TIME
1st	30	initial	3850.2	128 sec.
		grams shelled / min	1413.2	
2nd	27	unshelled	835.4	50 sec.
		grams shelled / min	567.2	
3rd	24	unshelled	362.7	36 sec.
		grams shelled / min	303.5	
4th	21		180.6	19
			570.3	
5th				
6th				
Final grams unshelled			0.0	
Total grams shelled			3850.2	3.88 min.
Total grams shelled / min			991.5	
HULLS			1221.8	

LOCATION 70 DATE: 2/5/2025

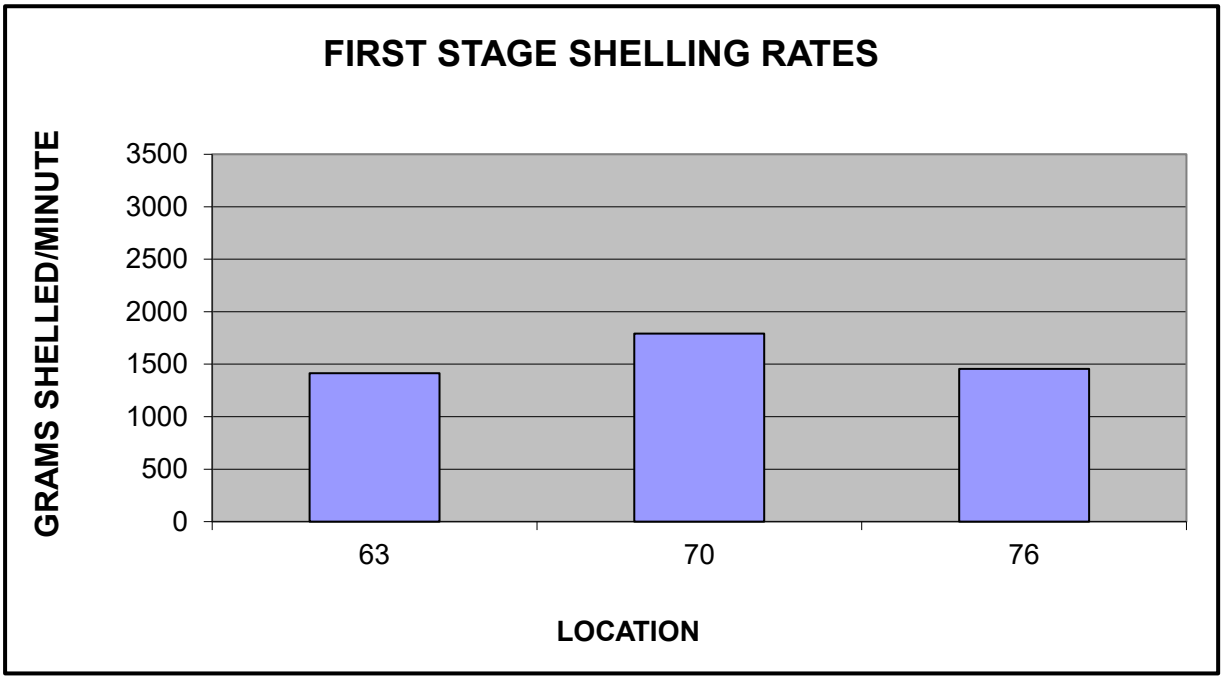
GRATE		WEIGHT	TIME
30	initial	5498.4	166 sec.
	grams shelled / min	1792.3	
27	unshelled	539.6	58 sec.
	grams shelled / min	284.7	
24	unshelled	264.4	35 sec.
	grams shelled / min	453.3	
	unshelled		sec.
	grams shelled / min		
Final grams unshelled		0.0	
Total grams shelled		5498.4	4.32 min.
Total grams shelled / min		1273.8	
HULLS		1507.2	

LOCATION 76 DATE: 1/8/2025

GRATE		WEIGHT	TIME
29	initial	5315.0	201 sec.
	grams shelled / min	1456.1	
26	unshelled	437.2	37 sec.
	grams shelled / min	709.0	
	unshelled	0.0	1 sec.
	grams shelled / min	0.0	
Final grams unshelled		0.0	
Total grams shelled		5315.0	3.98 min.
Total grams shelled / min		1334.3	
HULLS		1693.0	

2024 SouthWest UPPT
TP220694-5-1
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	1413.2
70	1792.3
76	1456.1



2024 SouthWest UPPT
ARSOK V99
POD BULK DENSITY TABLE

LOCATION 63

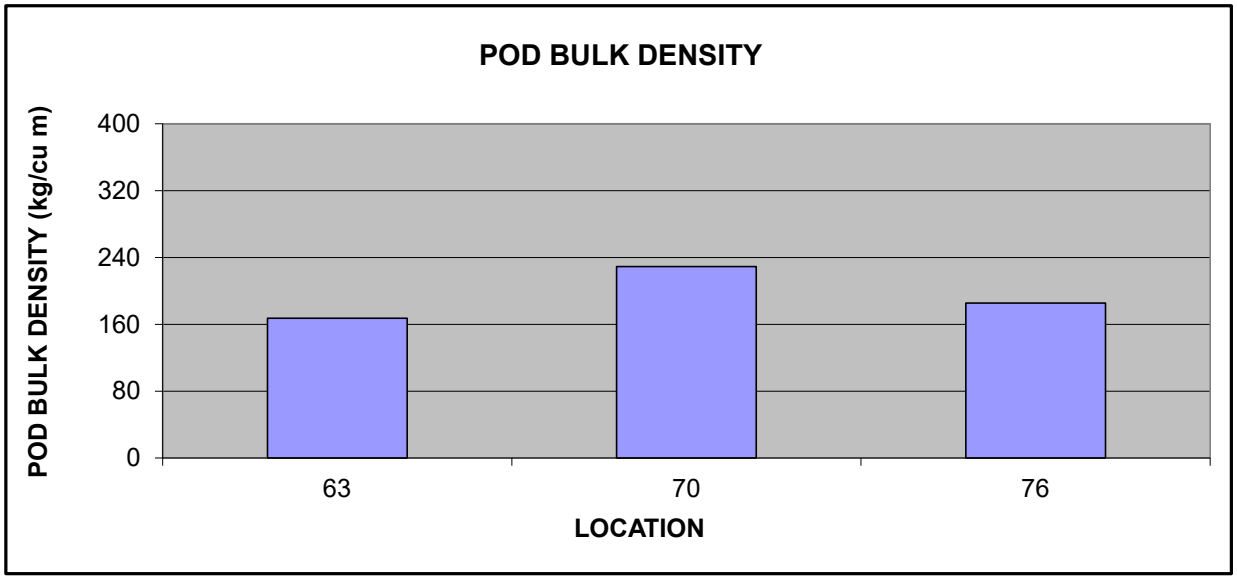
BULK	Kg	cm	Kg/m3
DENSITY	3.29	21.18	167.17

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.63	26.45	229.03

LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	4.90	28.45	185.40

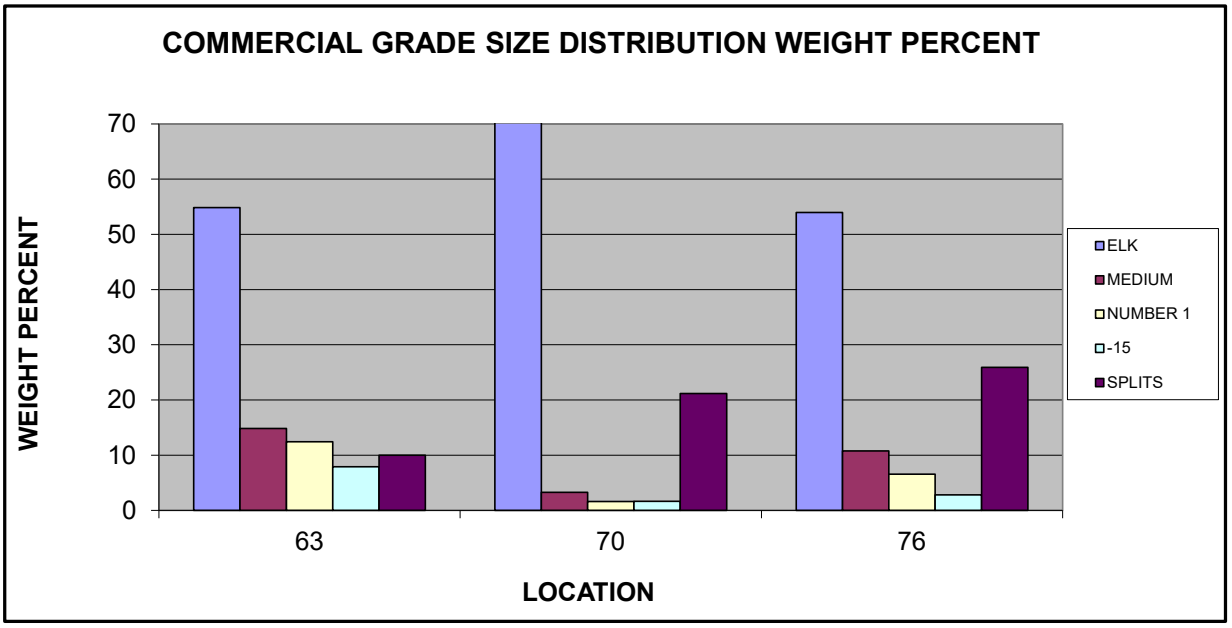


2024 SouthWest UPPT
ARSOK V99
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63	
ELK	54.84
MEDIUM	14.84
NUMBER 1	12.42
-15	7.90
SPLITS	10.00

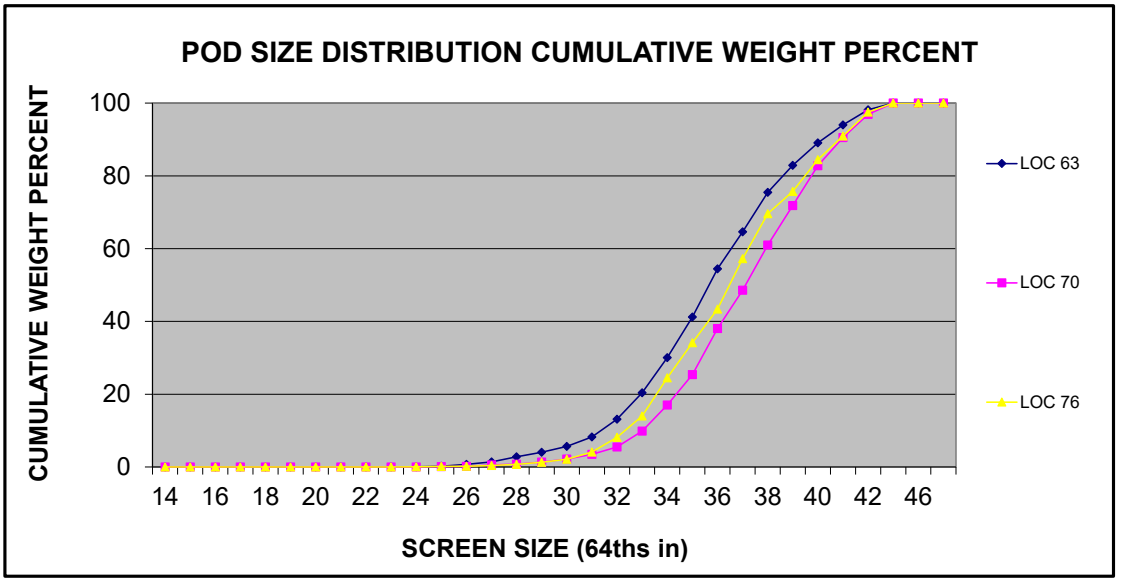
LOCATION 70	
ELK	72.34
MEDIUM	3.26
NUMBER 1	1.59
-15	1.65
SPLITS	21.15

LOCATION 76	
ELK	53.96
MEDIUM	10.78
NUMBER 1	6.57
-15	2.80
SPLITS	25.89



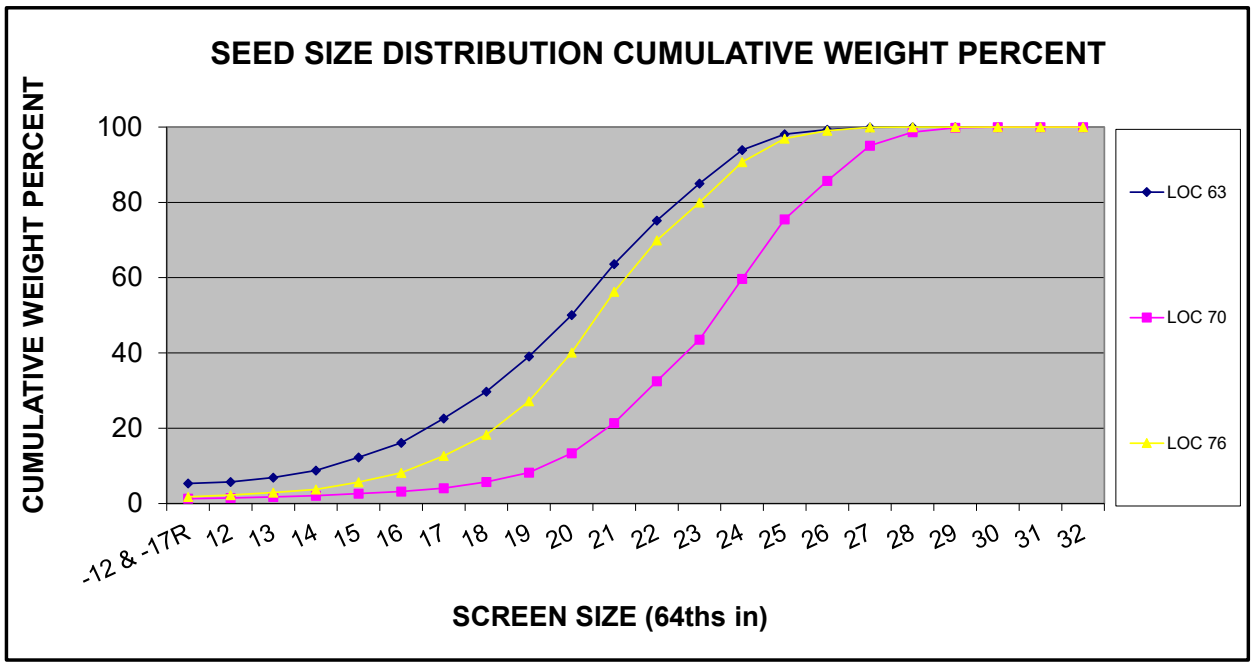
2024 SouthWest UPPT
ARSOK V99
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

SCREEN SIZE	LOCATION 63	70	76
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.00	0.00	0.00
21	0.00	0.00	0.00
22	0.00	0.00	0.00
23	0.00	0.00	0.00
24	0.03	0.01	0.02
25	0.19	0.11	0.14
26	0.69	0.15	0.19
27	1.41	0.58	0.38
28	2.79	0.78	0.74
29	4.05	1.32	1.29
30	5.67	2.17	2.14
31	8.24	3.45	4.12
32	13.11	5.51	8.14
33	20.41	9.87	13.98
34	30.03	17.03	24.48
35	41.20	25.37	34.13
36	54.43	38.03	43.39
37	64.60	48.58	57.24
38	75.48	61.00	69.60
39	82.91	71.85	75.71
40	89.08	82.80	84.46
41	94.00	90.54	90.96
42	98.16	96.91	97.53
44	100.00	100.00	100.00
46	100.00	100.00	100.00
48	100.00	100.00	100.00



2024 SouthWest UPPT
ARSOK V99
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

Screen Size	LOCATION 63	70	76
-12 & -17R	5.33	1.30	1.79
12	5.75	1.51	2.29
13	6.89	1.79	2.95
14	8.78	2.09	3.77
15	12.28	2.64	5.70
16	16.13	3.21	8.16
17	22.58	4.11	12.64
18	29.74	5.77	18.28
19	39.07	8.25	27.19
20	50.09	13.36	40.14
21	63.60	21.36	56.28
22	75.18	32.51	69.91
23	85.00	43.57	79.97
24	93.90	59.70	90.71
25	98.13	75.53	96.94
26	99.34	85.72	99.05
27	99.95	95.04	99.92
28	100.00	98.68	100.00
29	100.00	99.83	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00

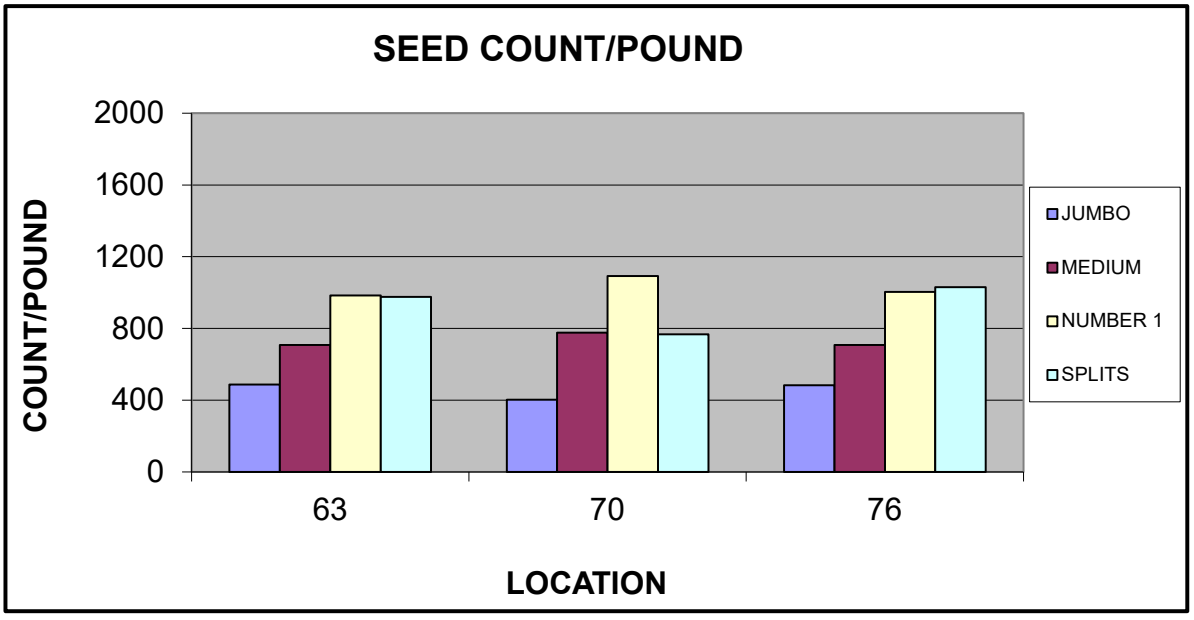


2024 SouthWest UPPT
ARSOK V99
SEED COUNT/POUND TABLE

LOCATION 63	
ELK	488
MEDIUM	708
NUMBER 1	984
SPLITS	976

LOCATION 70	
ELK	402
MEDIUM	776
NUMBER 1	1093
SPLITS	767

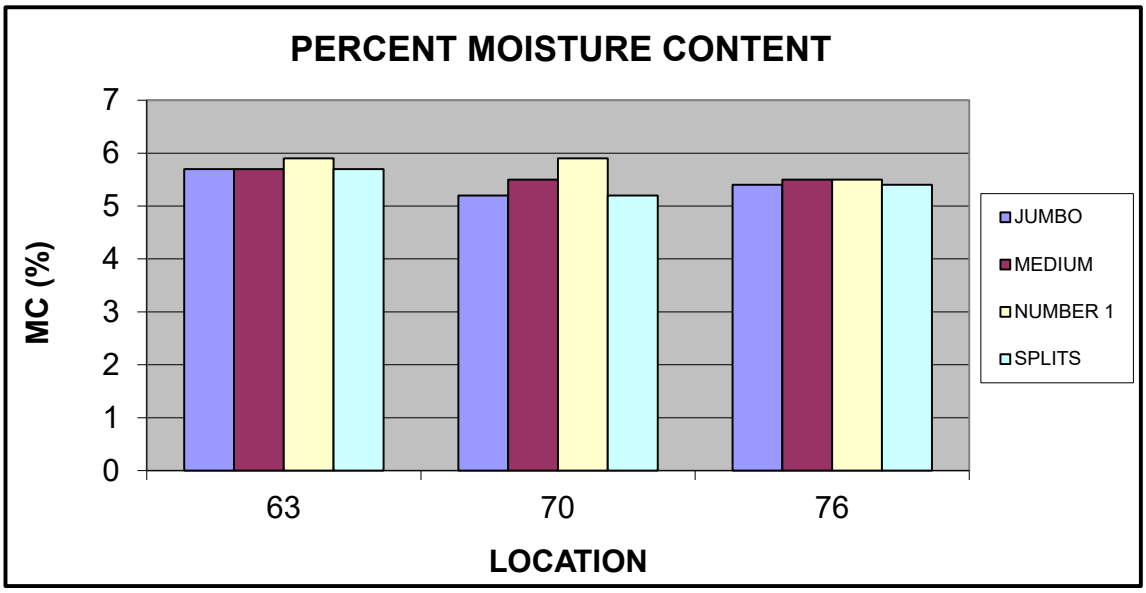
LOCATION 76	
ELK	483
MEDIUM	708
NUMBER 1	1003
SPLITS	1030



2024 SouthWest UPPT
ARSOK V99
SEED MOISTURE CONTENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
ELK	5.7	ELK	5.2	ELK	5.4
MEDIUM	5.7	MEDIUM	5.5	MEDIUM	5.5
NUMBER 1	5.9	NUMBER 1	5.9	NUMBER 1	5.5
SPLITS	5.7	SPLITS	5.2	SPLITS	5.4

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest UPPT
ARSOK V99
Shelling Data

LOCATION 63 DATE: 2/24/2025

STAGE	GRATE		WEIGHT	TIME
1st	30	initial	3088.6	117 sec.
		grams shelled / min	1398.1	
2nd	27	unshelled	362.4	34 sec.
		grams shelled / min	285.5	
3rd	24	unshelled	200.6	15 sec.
		grams shelled / min	802.4	
4th				
5th				
6th				
Final grams unshelled			0.0	
Total grams shelled			3088.6	2.78 min.
Total grams shelled / min			1109.7	
HULLS			983.6	

LOCATION 70 DATE: 2/5/2025

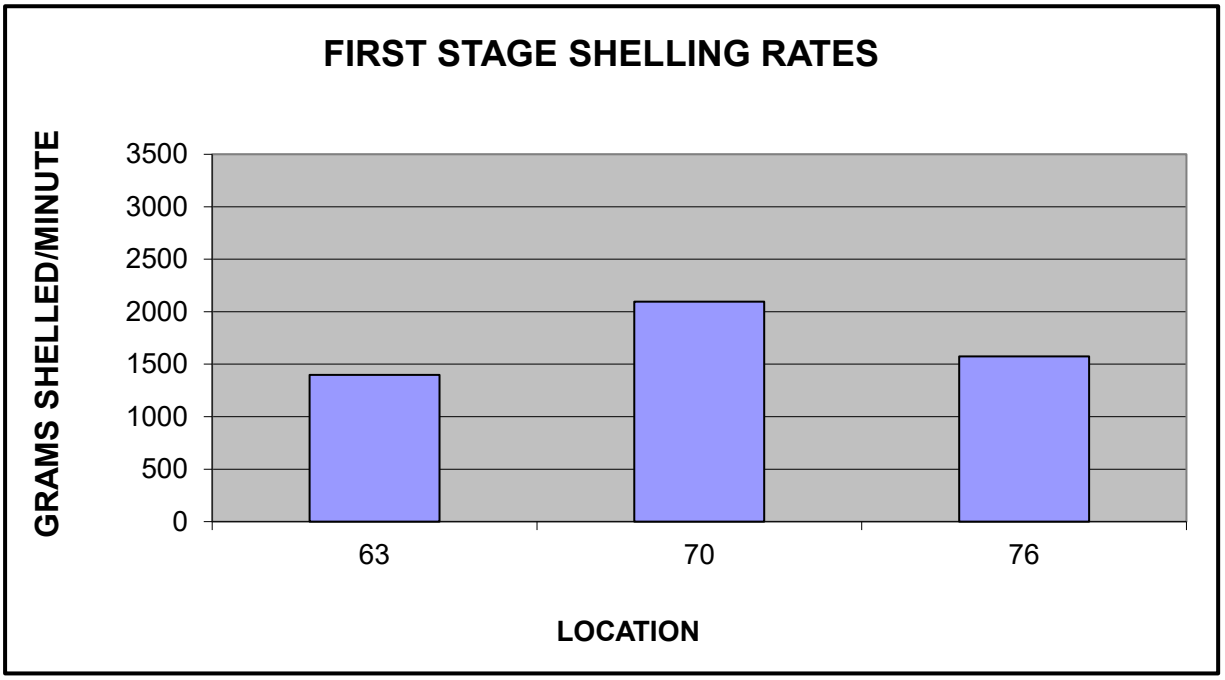
GRATE		WEIGHT	TIME
30	initial	5428.0	146 sec.
	grams shelled / min	2095.2	
27	unshelled	329.6	45 sec.
	grams shelled / min	198.4	
24	unshelled	180.8	15 sec.
	grams shelled / min	723.2	
Final grams unshelled		0.0	
Total grams shelled		5428.0	3.43 min.
Total grams shelled / min		1581.0	
HULLS		1330.0	

LOCATION 76 DATE: 1/8/2025

GRATE		WEIGHT	TIME
30	initial	4700.2	166 sec.
	grams shelled / min	1574.5	
27	unshelled	344.2	22 sec.
	grams shelled / min	938.7	
Final grams unshelled		0.0	
Total grams shelled		4700.2	3.13 min.
Total grams shelled / min		1500.1	
HULLS		1491.2	

2024 SouthWest UPPT
ARSOK V99
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	1398.1
70	2095.2
76	1574.5



PHYSICAL PROPERTY EXECUTIVE SUMMARY

AVERAGE FOR ENTRIES FROM ALL LOCATIONS

2024 SouthWest Spanish / Hybrid S / Valencia UPPT ENTRY

		Schubert	ARSOK S104-2E	Span17	ARSOK S58B [R	TP210656-2-1	Val C	NM MO-1	NM MO-2	NM MO-3	NM MO-4				
Shelling Outturn (%)	Jumbos/Elk	61.8	60.9	63.7	71.4	67.1	60.2	58.6	58.7	50.6	58.9				
	Number 1's	24.0	17.0	14.2	6.2	8.5	26.9	25.2	26.6	32.8	26.0				
	Oil Stock	4.2	4.0	4.4	2.6	4.2	4.3	4.6	4.5	4.2	4.7				
	Splits	10.0	18.1	17.7	19.8	20.2	8.5	11.5	10.2	12.4	10.4				
Seed Count/lb	Jumbos/Elk	866	801	686	649	650	801	852	878	851	800				
	Number 1's	1091	1079	1096	1192.98	1244	1129	1060	1111	1034	1014				
	Splits	1805	1668	1432	1475	1418	1883	1625	1641	1560	1703				
1st Stage Shelling Rate (lb/hr)		209	201	246	195	188	175	218	215	239	192				
Moisture Content (%	Jumbos/Elk	5.5	5.5	5.5	5.4	5.5	5.6	5.7	5.6	5.6	5.6				
	Number 1's	5.6	5.6	5.6	5.6	5.7	5.6	5.7	5.7	5.7	5.6				
	Splits	5.6	5.5	5.5	5.5	5.6	5.6	5.7	5.7	5.6	5.6				
FS Bulk Density (lb/ft3)		13.31	14.52	15.56	16.39	16.35	10.23	13.08	13.13	13.26	13.82				

PHYSICAL PROPERTY EXECUTIVE SUMMARY

AVERAGE POD SIZE DISTRIBUTION FOR ENTRIES FROM ALL LOCATIONS

2024 SouthWest Spanish / Hybrid S / Valencia UPPT ENTRY

Screen Size (64ths Inch)	Schubert	ARSOK S104-2E	Span17	ARSOK S58B [R	TP210656-2-1	Val C	NM MO-1	NM MO-2	NM MO-3	NM MO-4				
16	0	0	0	0	0	0	0	0	0	0				
18	0	0	0	0	0	0	0	0	0	0				
20	0	0	0	0	0	0	0	0	0	0				
22	0	0	0	0	0	0	0	0	0	0				
24	1	2	1	0	2	1	1	1	1	1				
26	4	10	5	2	5	3	2	2	4	2				
28	15	28	17	7	17	10	8	9	16	9				
30	30	31	32	18	37	19	19	25	31	17				
32	34	21	30	33	29	28	36	34	33	32				
34	14	6	12	27	8	26	26	22	13	29				
36	1	1	2	10	1	10	8	5	2	9				
38	0	0	0	2	1	2	1	1	0	2				
40	0	0	0	0	0	0	0	0	0	0				
42	0	0	0	0	0	0	0	0	0	0				
44	0	0	0	0	0	0	0	0	0	0				
46	0	0	0	0	0	0	0	0	0	0				
48	0	0	0	0	0	0	0	0	0	0				

PHYSICAL PROPERTY EXECUTIVE SUMMARY

AVERAGE SEED SIZE DISTRIBUTION FOR ENTRIES FROM ALL LOCATIONS

2024 SouthWest Spanish / Hybrid S / Valencia UPPT ENTRY

Screen Size (64ths Inch)	Schubert	ARSOK S104-2E	Span17	ARSOK S58B [R	TP210656-2-1	Val C	NM MO-1	NM MO-2	NM MO-3	NM MO-4
-12 + SS ft[1]	2	2	2	2	2	1	1	1	1	1
12	1	1	1	0	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	2	2	2	2	2
15	3	3	3	1	2	4	4	4	4	4
16	7	4	4	2	3	7	7	7	9	7
17	17	14	11	4	5	19	17	18	24	18
18	25	20	19	8	8	23	21	24	26	22
19	20	23	22	13	15	21	19	19	18	21
20	15	20	22	20	21	15	18	14	10	16
21	6	8	10	21	18	6	7	5	3	6
22	1	2	3	15	11	1	1	2	1	1
23	0	1	1	7	5	0	0	0	0	0
24	0	0	1	5	5	0	0	0	0	0
25	0	0	0	1	1	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0

2024 SouthWest Spanish / HybridS / Valencia UPPT
Schubert
POD BULK DENSITY TABLE

LOCATION 63

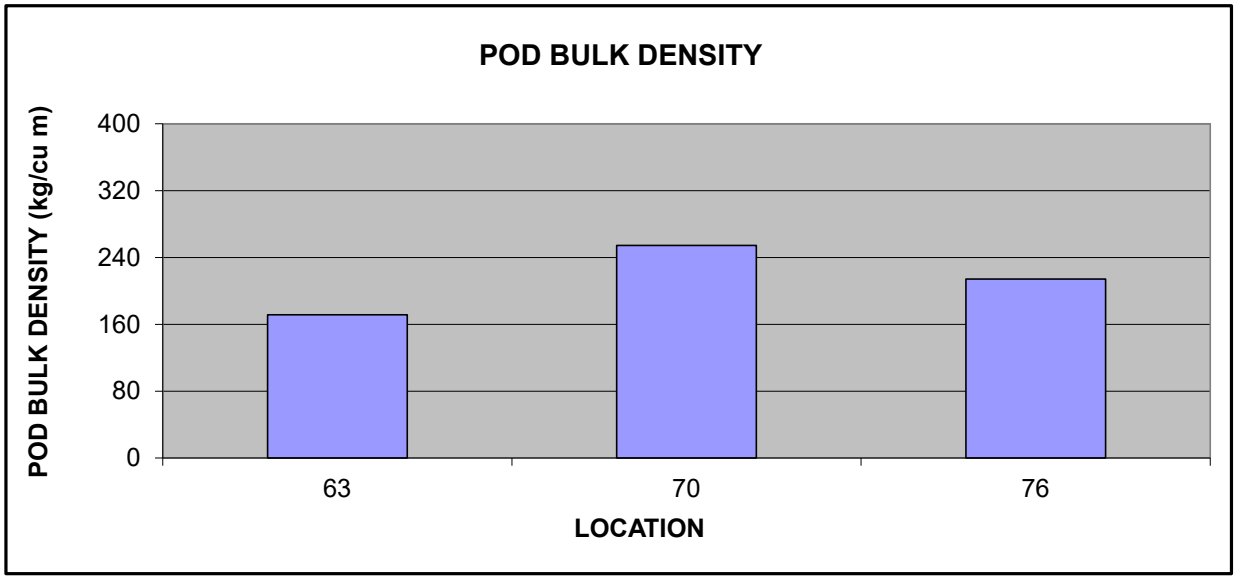
BULK	Kg	cm	Kg/m3
DENSITY	2.65	16.65	171.33

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.67	24.00	254.32

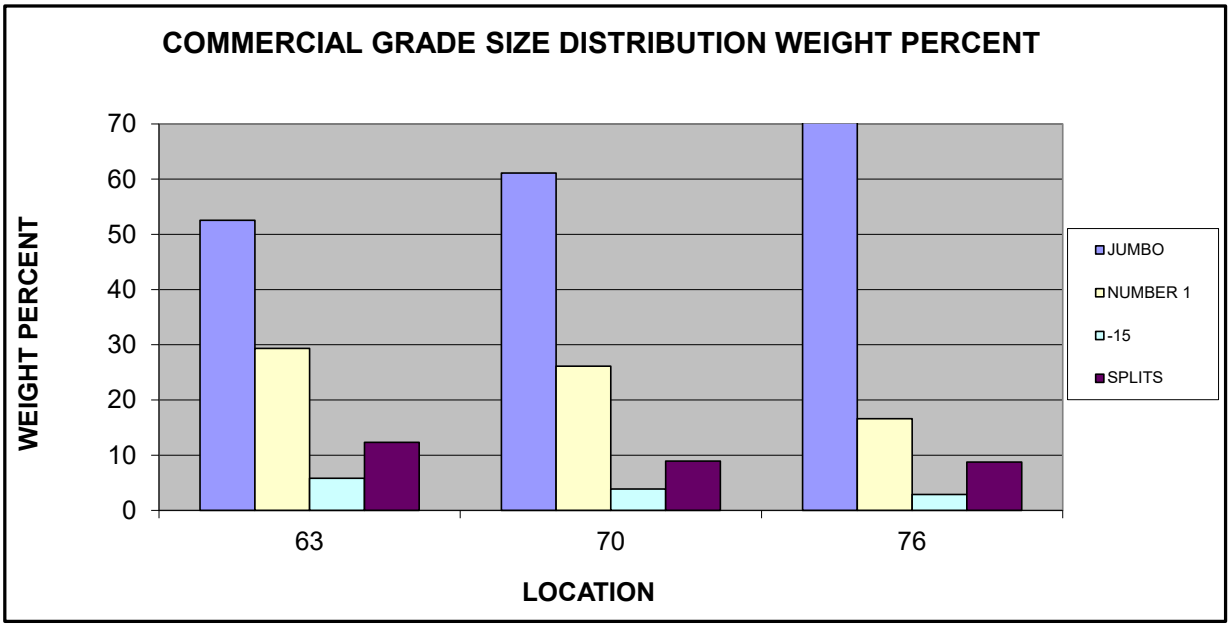
LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	5.36	26.93	214.18



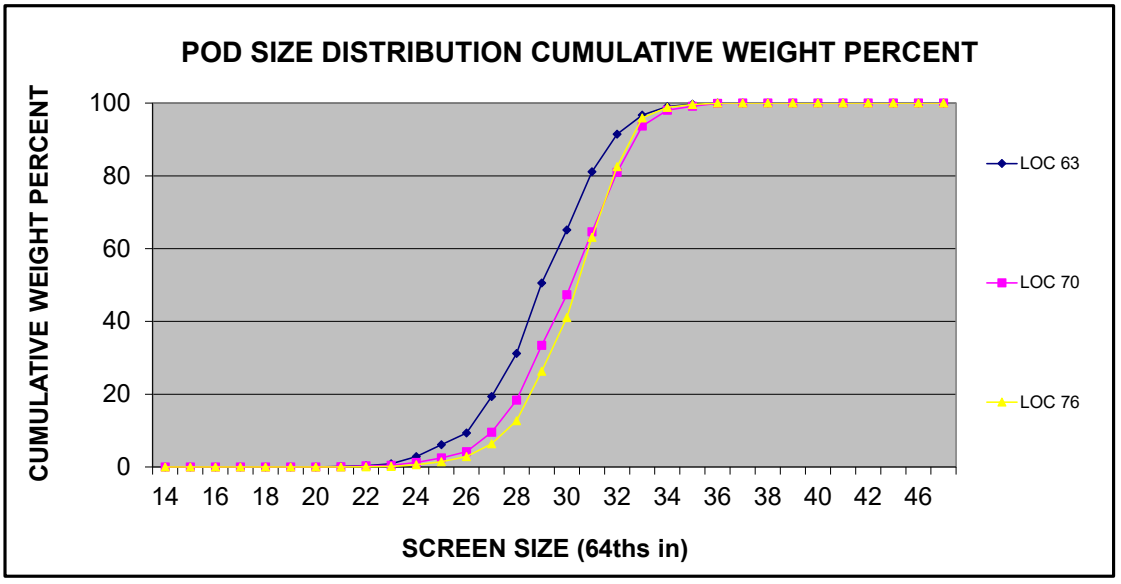
2024 SouthWest Spanish / HybridS / Valencia UPPT
Schubert
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	52.54	JUMBO	61.12	JUMBO	71.76
NUMBER 1	29.33	NUMBER 1	26.11	NUMBER 1	16.60
-15	5.80	-15	3.85	-15	2.87
SPLITS	12.33	SPLITS	8.92	SPLITS	8.76



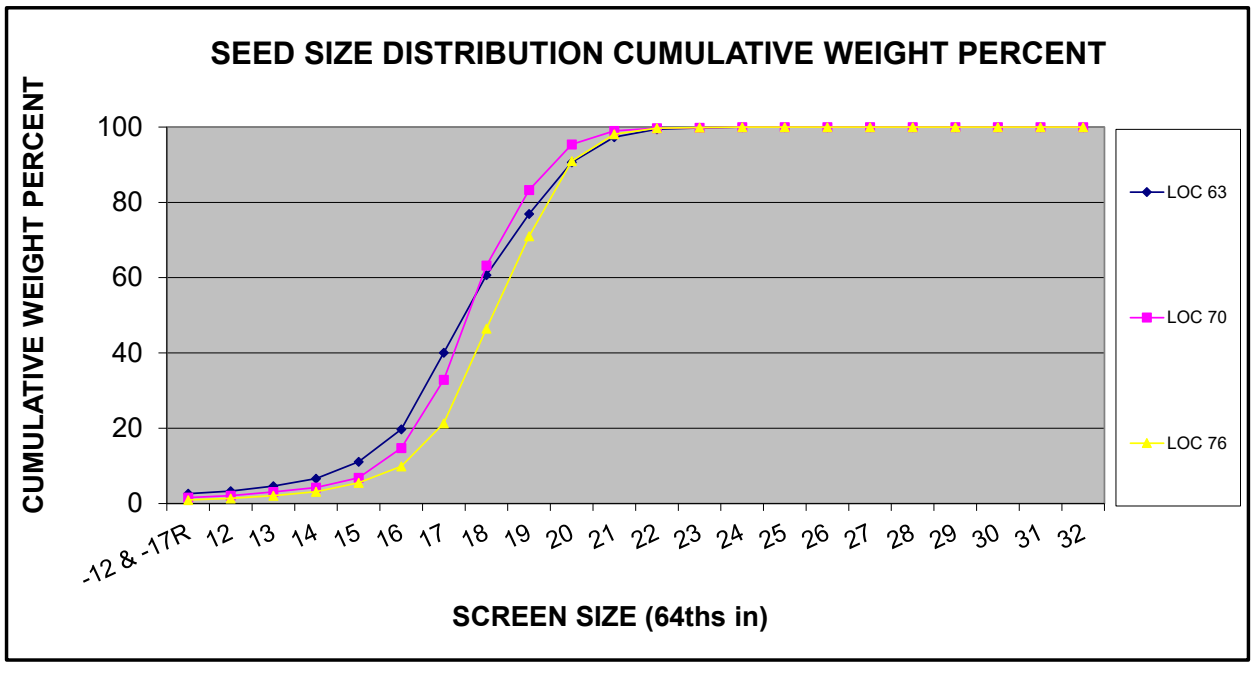
2024 SouthWest Spanish / HybridS / Valencia UPPT
Schubert
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

	LOCATION		
SCREEN SIZE	63	70	76
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.00	0.00	0.00
21	0.14	0.05	0.00
22	0.36	0.29	0.02
23	0.89	0.44	0.12
24	2.85	1.22	0.61
25	6.13	2.48	1.45
26	9.31	4.19	2.83
27	19.37	9.54	6.39
28	31.20	18.38	12.73
29	50.57	33.43	26.30
30	65.13	47.31	41.04
31	81.11	64.63	63.09
32	91.48	80.95	82.50
33	96.70	93.68	95.94
34	99.06	98.03	98.84
35	99.73	99.13	99.63
36	100.00	99.91	100.00
37	100.00	100.00	100.00
38	100.00	100.00	100.00
39	100.00	100.00	100.00
40	100.00	100.00	100.00
41	100.00	100.00	100.00
42	100.00	100.00	100.00
44	100.00	100.00	100.00
46	100.00	100.00	100.00
48	100.00	100.00	100.00



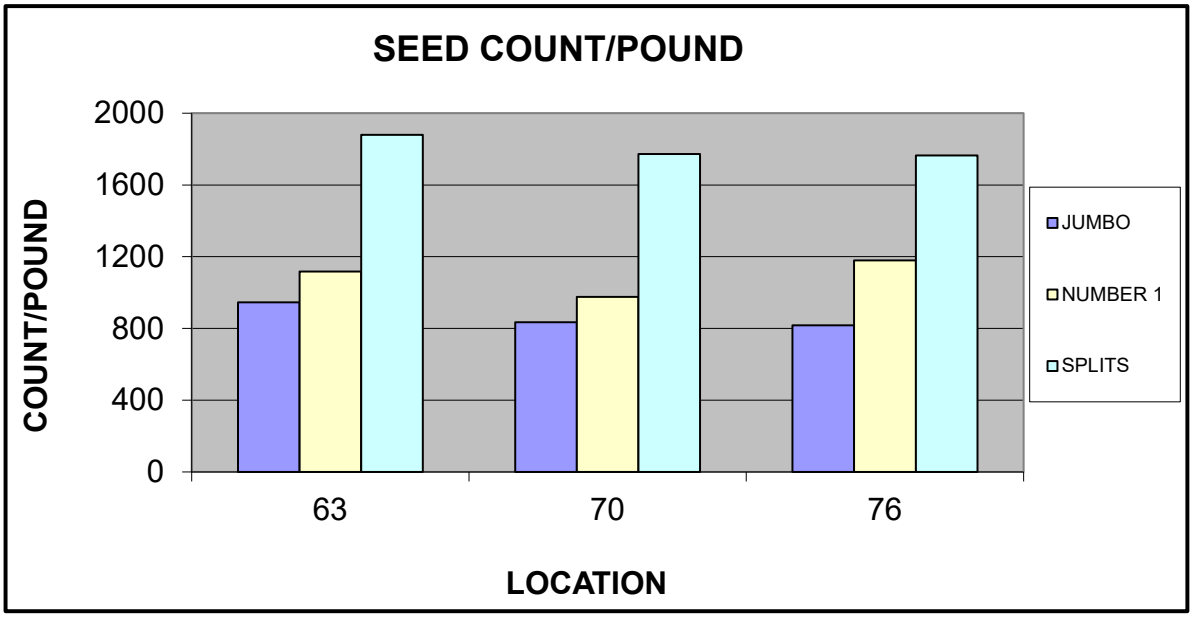
2024 SouthWest Spanish / HybridS / Valencia UPPT
Schubert
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

Screen Size	LOCATION 63	70	76
-12 & -17R	2.62	1.59	0.96
12	3.29	2.10	1.39
13	4.64	3.07	2.08
14	6.62	4.23	3.15
15	11.11	6.86	5.52
16	19.72	14.74	9.89
17	40.07	32.90	21.35
18	60.71	63.24	46.46
19	76.94	83.30	71.02
20	90.62	95.40	90.98
21	97.33	99.02	98.09
22	99.45	99.71	99.69
23	99.77	99.82	99.86
24	100.00	100.00	100.00
25	100.00	100.00	100.00
26	100.00	100.00	100.00
27	100.00	100.00	100.00
28	100.00	100.00	100.00
29	100.00	100.00	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00



2024 SouthWest Spanish / HybridS / Valencia UPPT
Schubert
SEED COUNT/POUND TABLE

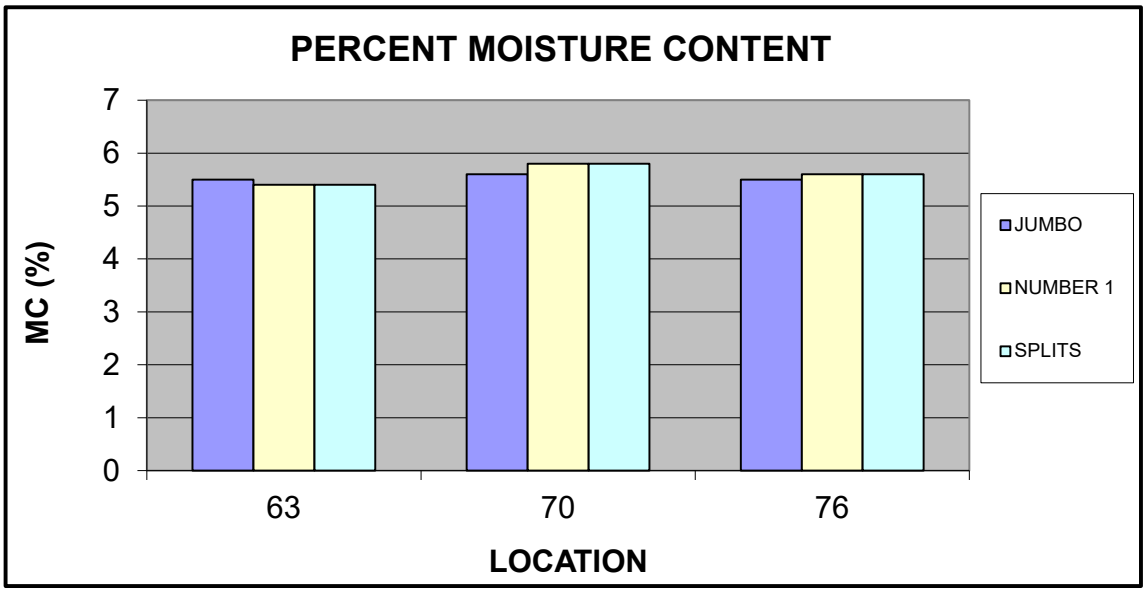
LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	946.2	JUMBO	835	JUMBO	817.9
NUMBER 1	1117.2	NUMBER 1	976	NUMBER 1	1180.0
SPLITS	1879.0	SPLITS	1772	SPLITS	1764.3



2024 SouthWest Spanish / HybridS / Valencia UPPT
Schubert
SEED MOISTURE CONTENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	5.5	JUMBO	5.6	JUMBO	5.5
NUMBER 1	5.4	NUMBER 1	5.8	NUMBER 1	5.6
SPLITS	5.4	SPLITS	5.8	SPLITS	5.6

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest Spanish / HybridS / Valencia UPPT
Schubert
Shelling Data

LOCATION 63 DATE: 2/25/2025

STAGE	GRATE		WEIGHT	TIME
1st	25	initial	2450.2	117 sec.
		grams shelled / min	1103.0	
2nd	22	unshelled	299.4	42 sec.
		grams shelled / min	375.7	
3rd	19	unshelled	36.4	15 sec.
		grams shelled / min	145.6	
4th			0.0	1
			0.0	
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		2450.2	2.92 min.
	Total grams shelled / min		840.1	
	HULLS		1080.8	

LOCATION 70 DATE: 2/10/2025

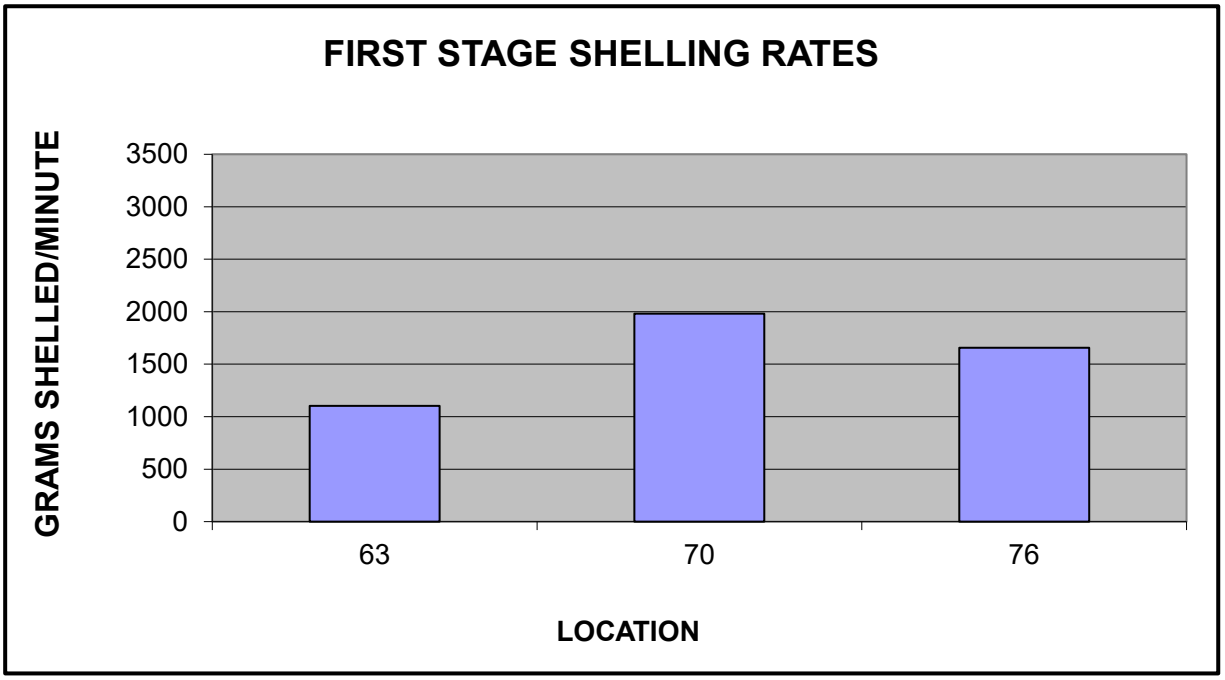
GRATE		WEIGHT	TIME
25	initial	5470.6	160 sec.
	grams shelled / min	1980.4	
22	unshelled	189.6	48 sec.
	grams shelled / min	223.0	
19	unshelled	11.2	30 sec.
	grams shelled / min	22.4	
	unshelled		sec.
	grams shelled / min		
Final grams unshelled		0.0	
Total grams shelled		5470.6	3.97 min.
Total grams shelled / min		1379.1	
HULLS		1801.6	

LOCATION 76 DATE: 1/10/2025

STAGE	GRATE		WEIGHT	TIME
1st	25	initial	5157.5	175 sec.
		grams shelled / min	1655.6	
2nd	22	unshelled	328.6	18 sec.
		grams shelled / min	1095.3	
3rd	19	unshelled	0.0	1 sec.
		grams shelled / min	0.0	
4th			0.0	1
			0.0	
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		5157.5	3.25 min.
	Total grams shelled / min		1586.9	
	HULLS		1486.0	

2024 SouthWest Spanish / HybridS / Valencia UPPT
Schubert
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	1103.0
70	1980.4
76	1655.6



2024 SouthWest Spanish / HybridS / Valencia UPPT
ARSOK S104-2E
POD BULK DENSITY TABLE

LOCATION 63

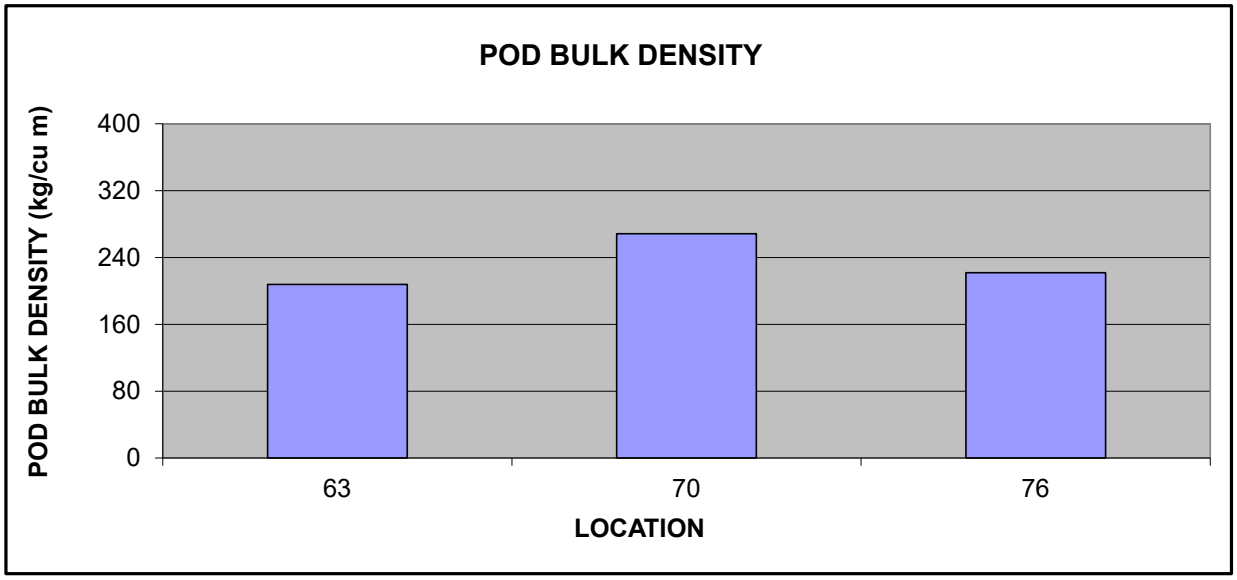
BULK	Kg	cm	Kg/m3
DENSITY	2.50	12.98	207.76

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.58	22.38	268.46

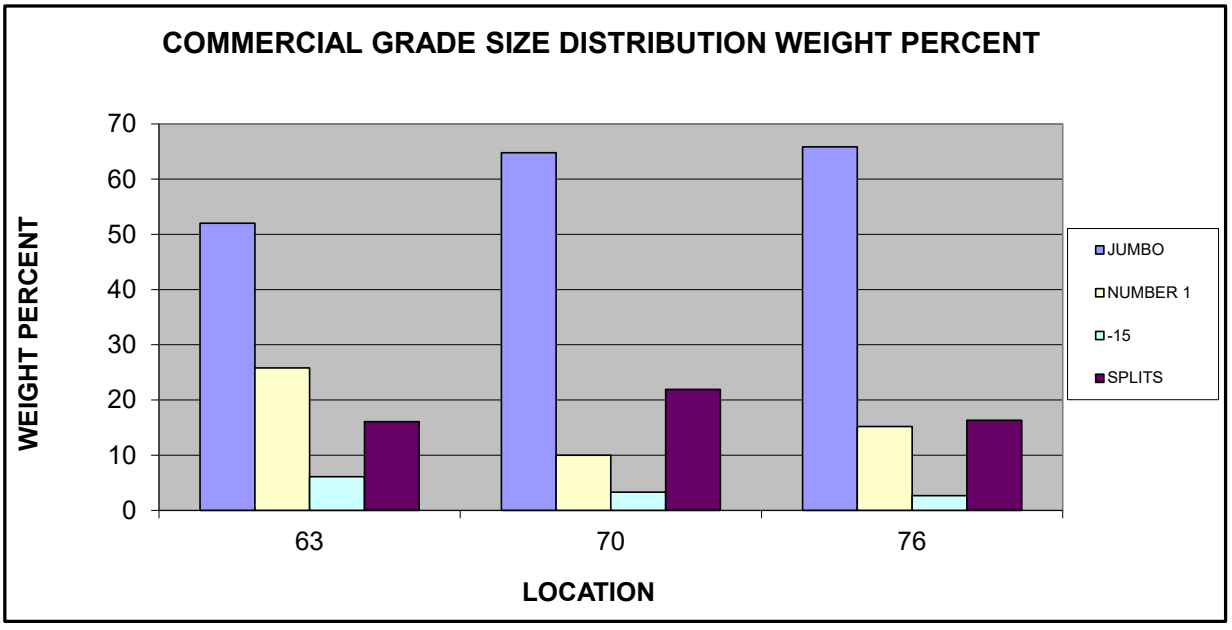
LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	5.36	26.00	221.73



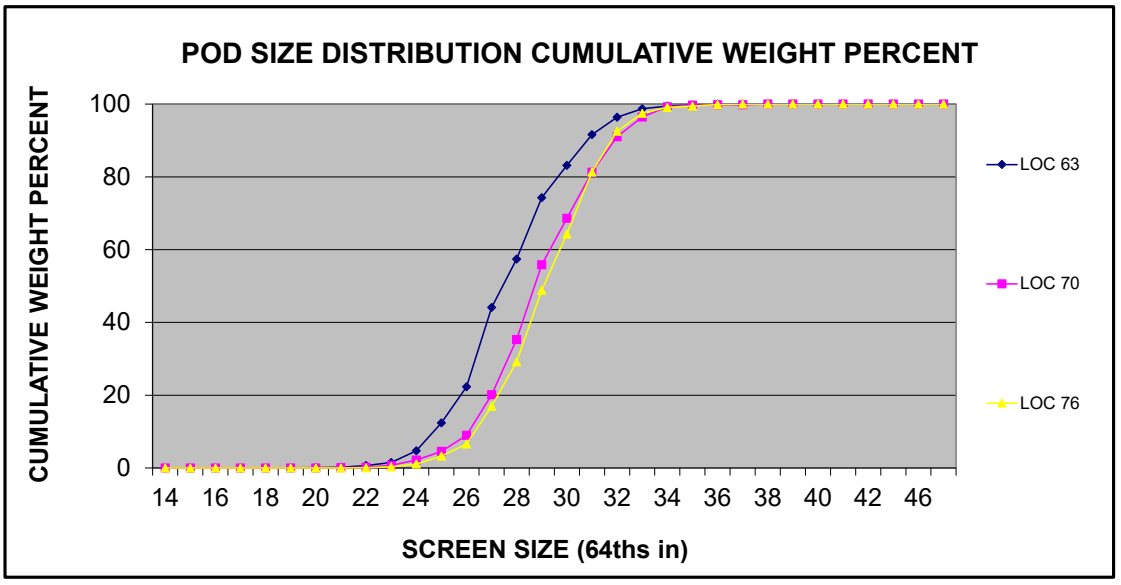
2024 SouthWest Spanish / HybridS / Valencia UPPT
ARSOK S104-2E
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	52.04	JUMBO	64.79	JUMBO	65.84
NUMBER 1	25.79	NUMBER 1	10.01	NUMBER 1	15.18
-15	6.10	-15	3.29	-15	2.66
SPLITS	16.07	SPLITS	21.91	SPLITS	16.31



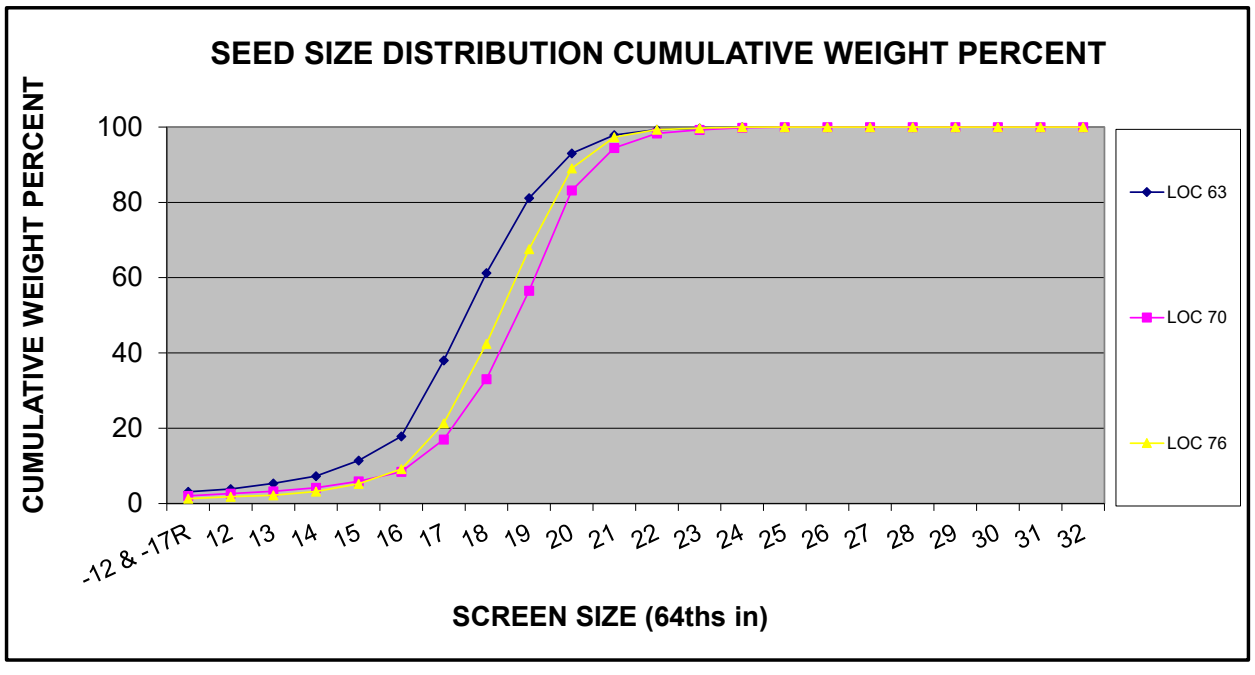
2024 SouthWest Spanish / HybridS / Valencia UPPT
ARSOK S104-2E
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

	LOCATION		
SCREEN SIZE	63	70	76
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.04	0.00	0.00
20	0.08	0.00	0.00
21	0.19	0.07	0.00
22	0.69	0.20	0.06
23	1.49	0.74	0.30
24	4.74	2.15	1.09
25	12.40	4.56	3.26
26	22.34	8.95	6.59
27	44.10	20.11	16.97
28	57.41	35.31	29.16
29	74.27	55.83	48.81
30	83.13	68.60	64.30
31	91.63	81.29	81.32
32	96.38	91.05	92.53
33	98.70	96.43	97.49
34	99.43	99.25	99.07
35	99.69	99.69	99.45
36	100.00	99.80	99.88
37	100.00	99.84	100.00
38	100.00	100.00	100.00
39	100.00	100.00	100.00
40	100.00	100.00	100.00
41	100.00	100.00	100.00
42	100.00	100.00	100.00
44	100.00	100.00	100.00
46	100.00	100.00	100.00
48	100.00	100.00	100.00



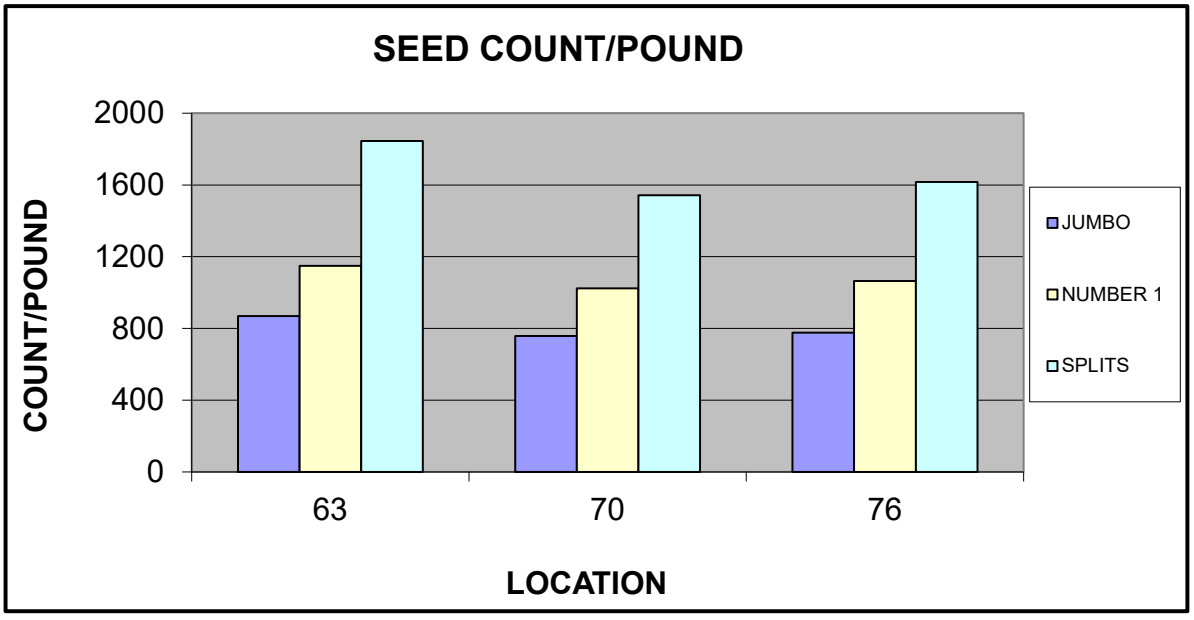
2024 SouthWest Spanish / HybridS / Valencia UPPT
ARSOK S104-2E
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

	LOCATION		
Screen Size	63	70	76
-12 & -17R	3.12	2.05	1.30
12	3.87	2.68	1.80
13	5.37	3.26	2.22
14	7.27	4.21	3.18
15	11.41	5.91	5.26
16	17.84	8.48	9.17
17	38.00	17.03	21.32
18	61.22	33.03	42.43
19	81.14	56.56	67.58
20	93.02	83.17	89.02
21	97.89	94.46	97.36
22	99.30	98.33	99.32
23	99.66	99.28	99.70
24	100.00	99.84	100.00
25	100.00	99.97	100.00
26	100.00	99.97	100.00
27	100.00	99.97	100.00
28	100.00	100.00	100.00
29	100.00	100.00	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00



2024 SouthWest Spanish / HybridS / Valencia UPPT
ARSOK S104-2E
SEED COUNT/POUND TABLE

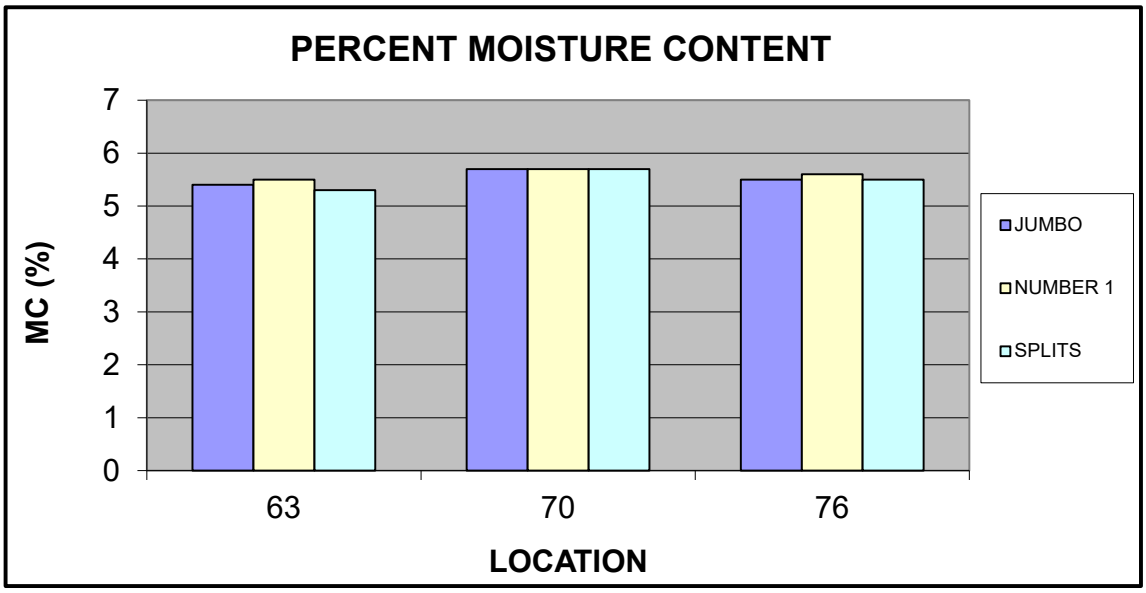
LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	868.6	JUMBO	758	JUMBO	776.7
NUMBER 1	1149.2	NUMBER 1	1024	NUMBER 1	1064.0
SPLITS	1845.4	SPLITS	1543	SPLITS	1616.5



2024 SouthWest Spanish / HybridS / Valencia UPPT
ARSOK S104-2E
SEED MOISTURE CONTENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	5.4	JUMBO	5.7	JUMBO	5.5
NUMBER 1	5.5	NUMBER 1	5.7	NUMBER 1	5.6
SPLITS	5.3	SPLITS	5.7	SPLITS	5.5

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest Spanish / HybridS / Valencia UPPT
ARSOK S104-2E
Shelling Data

LOCATION 63 DATE: 2/25/2025

STAGE	GRATE		WEIGHT	TIME
1st	25	initial	2304.4	98 sec.
		grams shelled / min	1114.0	
2nd	22	unshelled	484.8	59 sec.
		grams shelled / min	426.1	
3rd	19	unshelled	65.8	19 sec.
		grams shelled / min	207.8	
4th			0.0	1
			0.0	
5th			0.0	1
			0.0	
6th				
	Final grams unshelled		0.0	
	Total grams shelled		2304.4	2.97 min.
	Total grams shelled / min		776.8	
	HULLS		802.0	

LOCATION 70 DATE: 2/10/2025

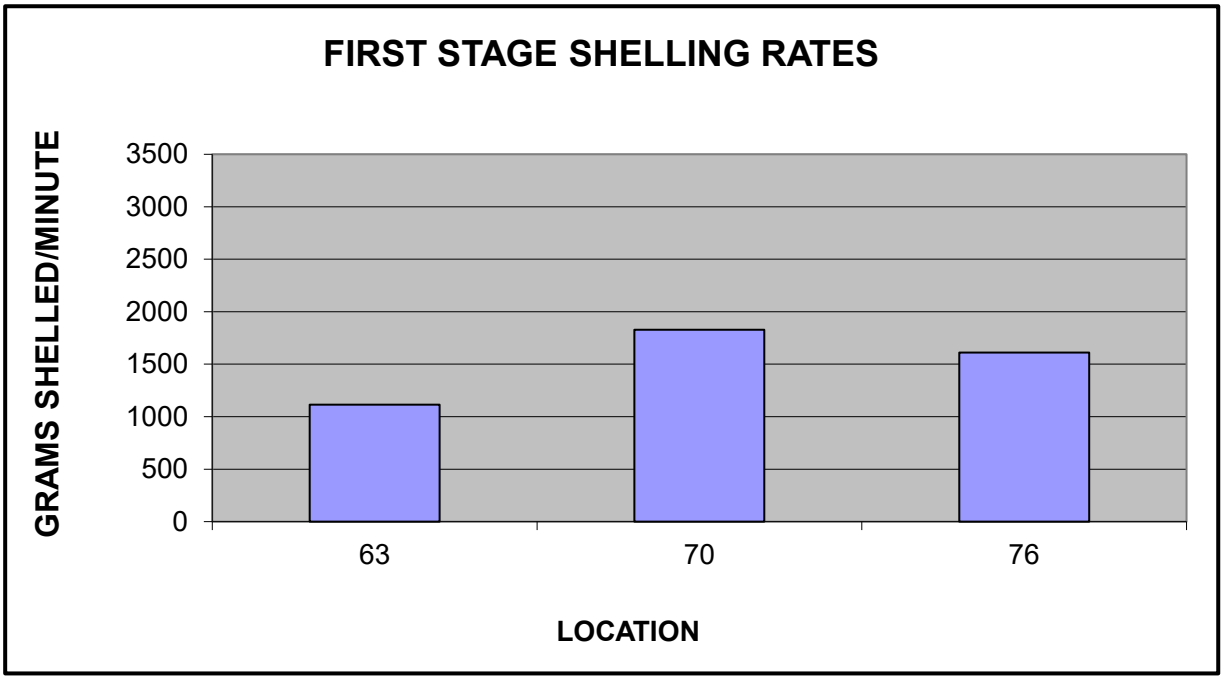
GRATE		WEIGHT	TIME
30	initial	5380.4	95 sec.
	grams shelled / min	1829.3	
27	unshelled	2484.0	94 sec.
	grams shelled / min	1016.2	
24	unshelled	892.0	86 sec.
	grams shelled / min	519.2	
21	unshelled	147.8	30 sec.
	grams shelled / min	295.6	
Final grams unshelled		0.0	
Total grams shelled		5380.4	5.08 min.
Total grams shelled / min		1058.4	
HULLS		1638.2	

LOCATION 76 DATE: 1/10/2025

STAGE	GRATE		WEIGHT	TIME
1st	25	initial	5155.8	172 sec.
		grams shelled / min	1611.1	
2nd	22	unshelled	537.4	46 sec.
		grams shelled / min	423.1	
3rd	19	unshelled	213.0	1 sec.
		grams shelled / min	12780.0	
4th			0.0	1
			0.0	
5th			0.0	1
			0.0	
6th				
	Final grams unshelled		0.0	
	Total grams shelled		5155.8	3.68 min.
	Total grams shelled / min		1399.8	
	HULLS		1455.6	

2024 SouthWest Spanish / HybridS / Valencia UPPT
ARSOK S104-2E
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	1114.0
70	1829.3
76	1611.1



2024 SouthWest Spanish / HybridS / Valencia UPPT
Span 17
POD BULK DENSITY TABLE

LOCATION 63

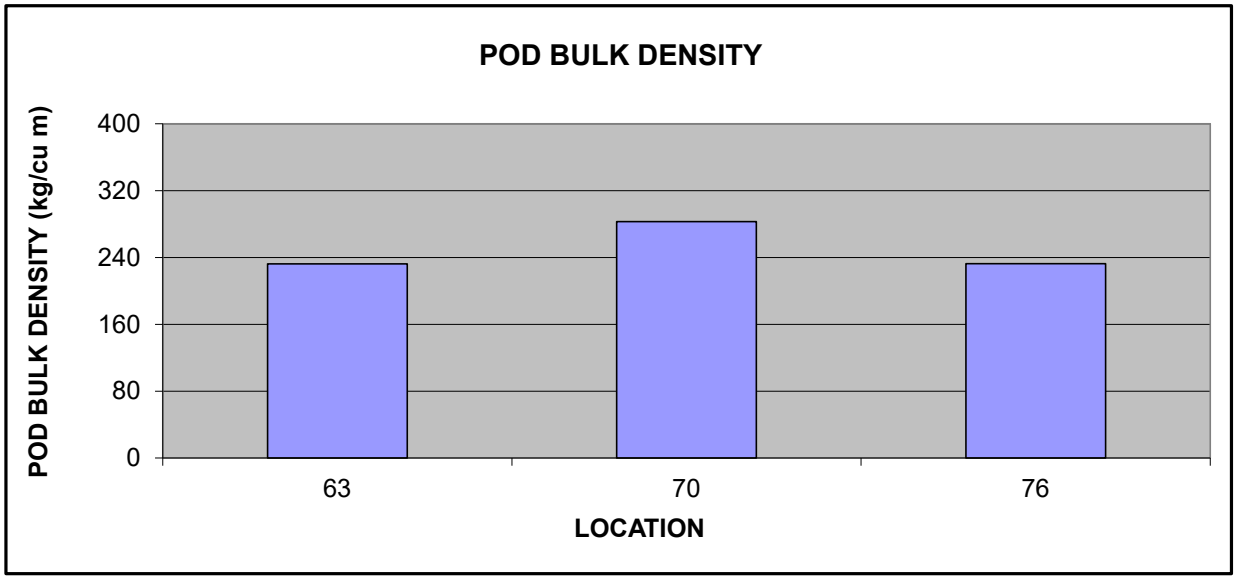
BULK	Kg	cm	Kg/m3
DENSITY	4.71	21.80	232.34

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.98	22.75	282.91

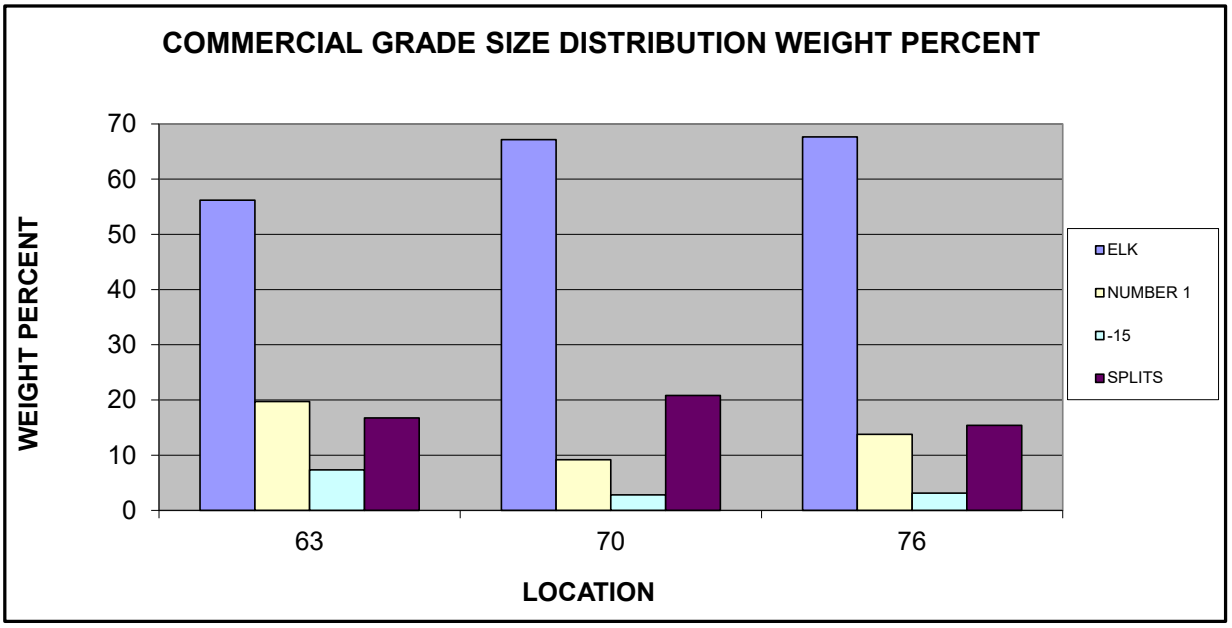
LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	5.45	25.23	232.63



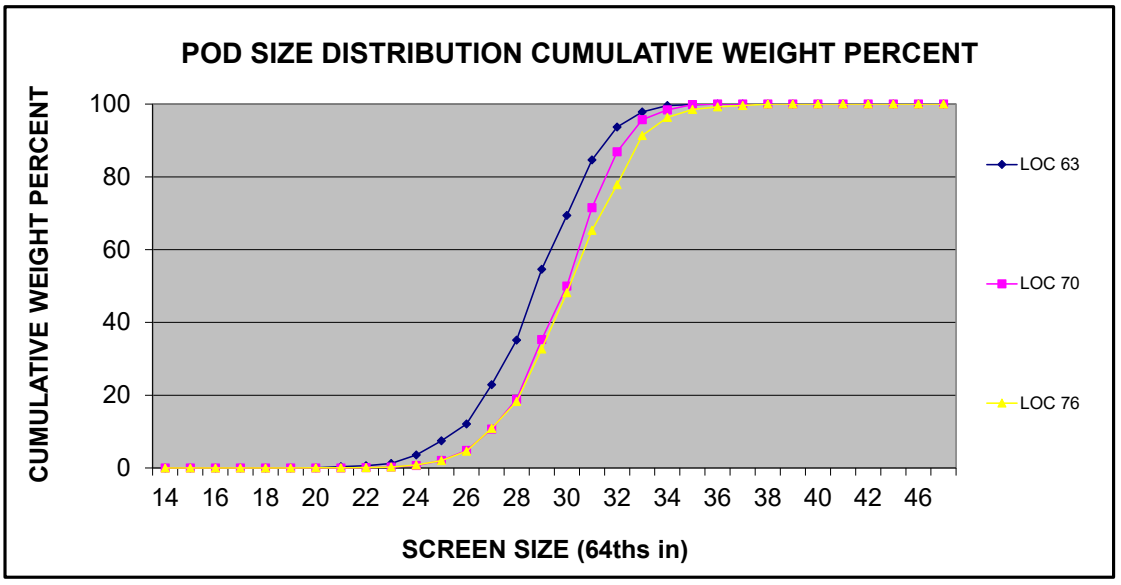
2024 SouthWest Spanish / HybridS / Valencia UPPT
Span 17
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	56.21	JUMBO	67.18	JUMBO	67.65
NUMBER 1	19.70	NUMBER 1	9.19	NUMBER 1	13.78
-15	7.34	-15	2.82	-15	3.15
SPLITS	16.75	SPLITS	20.81	SPLITS	15.42



2024 SouthWest Spanish / HybridS / Valencia UPPT
Span 17
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

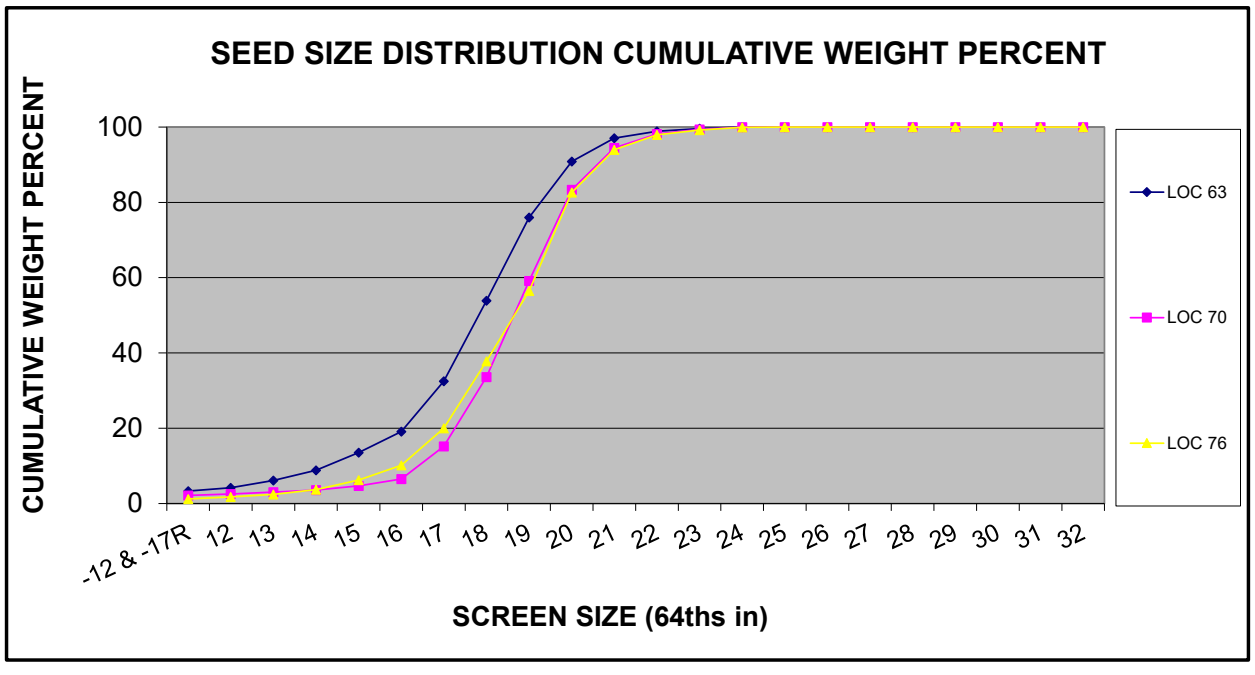
SCREEN SIZE	LOCATION 63	70	76
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.05	0.00	0.04
21	0.33	0.00	0.05
22	0.62	0.12	0.11
23	1.26	0.25	0.26
24	3.55	0.66	0.82
25	7.45	2.07	2.01
26	12.10	4.83	4.59
27	22.87	10.67	10.88
28	35.11	18.89	18.29
29	54.58	35.27	32.71
30	69.40	50.00	48.16
31	84.64	71.54	65.31
32	93.67	86.89	77.84
33	97.86	95.73	91.33
34	99.61	98.40	96.32
35	99.86	99.88	98.53
36	100.00	100.00	99.27
37	100.00	100.00	99.61
38	100.00	100.00	100.00
39	100.00	100.00	100.00
40	100.00	100.00	100.00
41	100.00	100.00	100.00
42	100.00	100.00	100.00
44	100.00	100.00	100.00
46	100.00	100.00	100.00
48	100.00	100.00	100.00



2024 SouthWest Spanish / HybridS / Valencia UPPT
Span 17
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

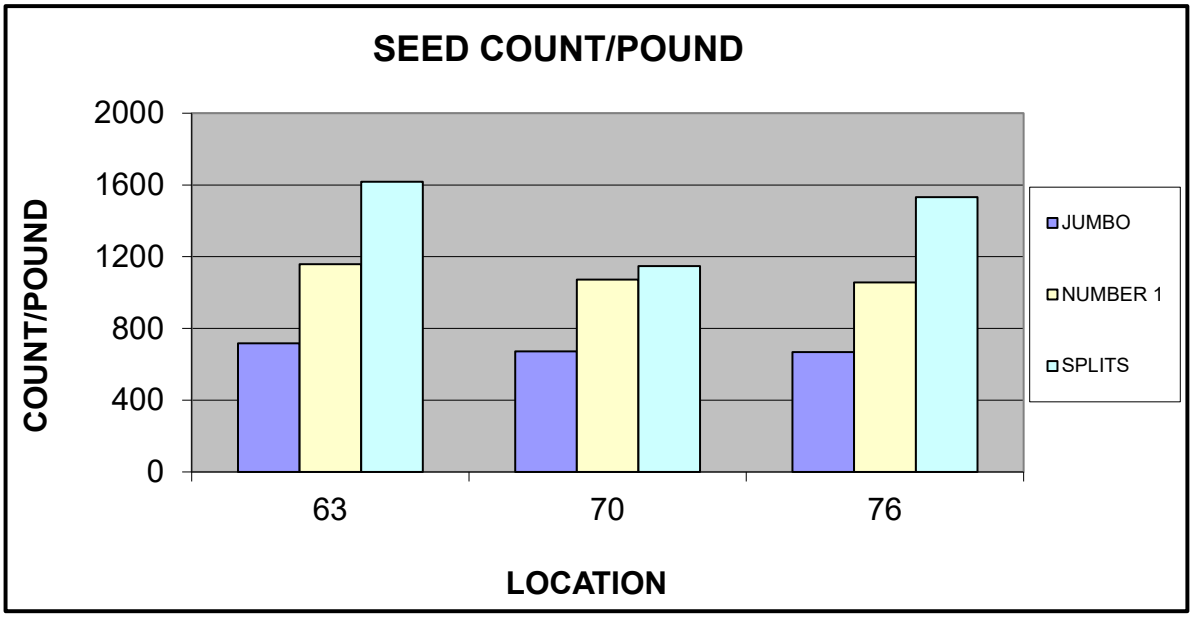
LOCATION

Screen Size	63	70	76
-12 & -17R	3.32	2.16	1.22
12	4.19	2.55	1.77
13	6.14	3.03	2.44
14	8.81	3.56	3.72
15	13.55	4.71	6.23
16	19.11	6.52	10.17
17	32.48	15.17	20.02
18	53.87	33.60	37.80
19	75.98	59.14	56.49
20	90.87	83.34	82.65
21	97.08	94.45	93.97
22	98.87	98.18	97.95
23	99.59	99.38	99.20
24	100.00	99.98	99.93
25	100.00	100.00	100.00
26	100.00	100.00	100.00
27	100.00	100.00	100.00
28	100.00	100.00	100.00
29	100.00	100.00	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00



2024 SouthWest Spanish / HybridS / Valencia UPPT
Span 17
SEED COUNT/POUND TABLE

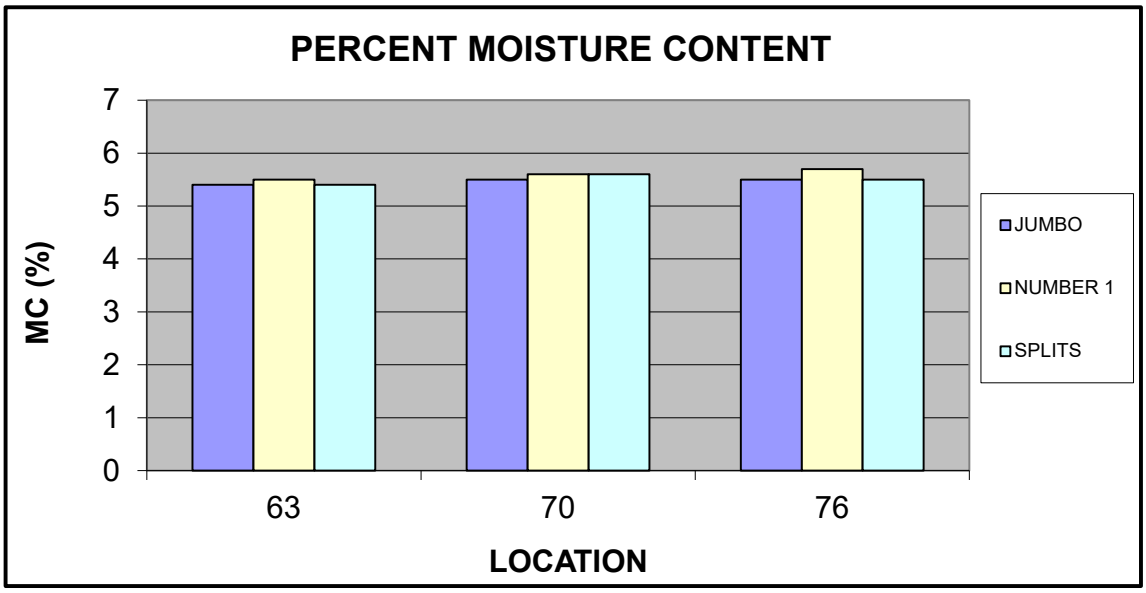
LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	716.8	JUMBO	673	JUMBO	667.8
NUMBER 1	1158.6	NUMBER 1	1072	NUMBER 1	1056.4
SPLITS	1617.7	SPLITS	1147	SPLITS	1532.4



2024 SouthWest Spanish / HybridS / Valencia UPPT
Span 17
SEED MOISTURE CONTENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	5.4	JUMBO	5.5	JUMBO	5.5
NUMBER 1	5.5	NUMBER 1	5.6	NUMBER 1	5.7
SPLITS	5.4	SPLITS	5.6	SPLITS	5.5

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest Spanish / HybridS / Valencia UPPT
Span 17
Shelling Data

LOCATION 63 DATE: 2/25/2025

STAGE	GRATE		WEIGHT	TIME
1st	25	initial	4505.6	119 sec.
		grams shelled / min	1961.7	
2nd	22	unshelled	614.8	70 sec.
		grams shelled / min	417.9	
3rd	19	unshelled	127.2	26 sec.
		grams shelled / min	293.5	
4th			0.0	1
			0.0	
5th			0.0	1
			0.0	
6th			0.0	1
			0.0	
	Final grams unshelled		0.0	
	Total grams shelled		4505.6	3.63 min.
	Total grams shelled / min		1240.1	
	HULLS		1210.6	

LOCATION 70 DATE: 2/10/2025

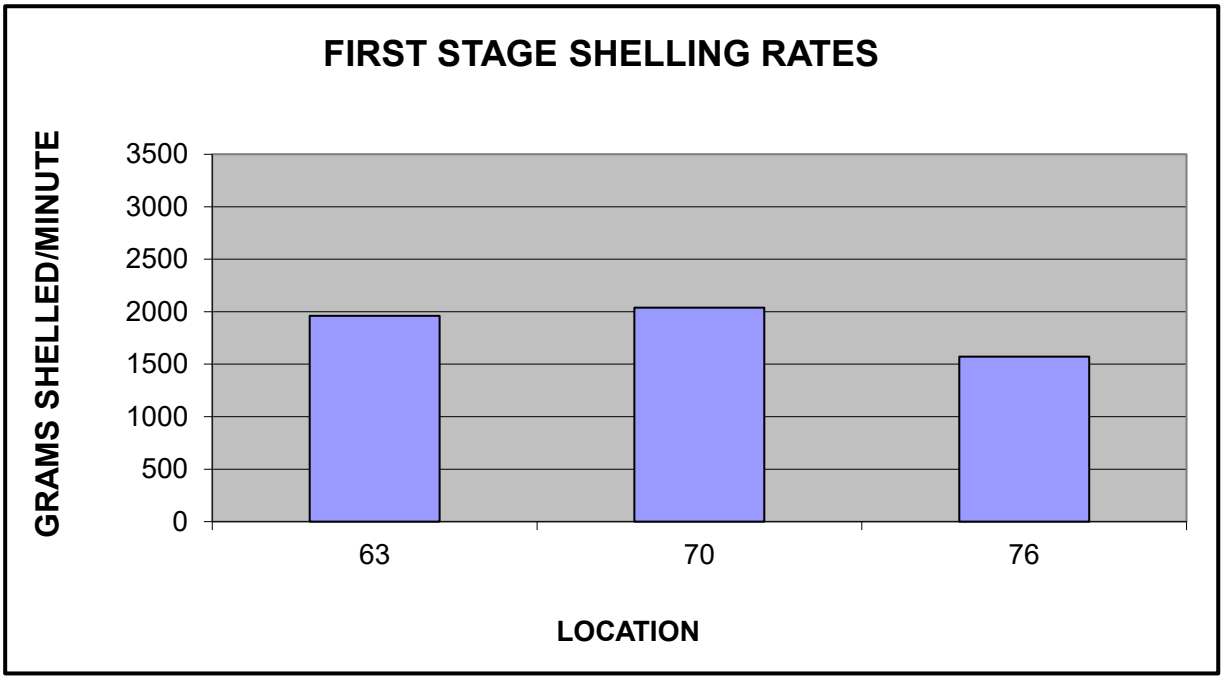
GRATE		WEIGHT	TIME
29	initial	5779.4	114 sec.
	grams shelled / min	2038.6	
26	unshelled	1906.0	68 sec.
	grams shelled / min	904.6	
23	unshelled	880.8	83 sec.
	grams shelled / min	634.3	
20	unshelled	3.4	18 sec.
	grams shelled / min	11.3	
Final grams unshelled		0.0	
Total grams shelled		5779.4	4.72 min.
Total grams shelled / min		1225.3	
HULLS		1628.6	

LOCATION 76 DATE: 1/10/2025

STAGE	GRATE		WEIGHT	TIME
1st	25	initial	5251.6	182 sec.
		grams shelled / min	1573.0	
2nd	22	unshelled	480.2	44 sec.
		grams shelled / min	654.8	
3rd				
4th				
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		5251.6	3.83 min.
	Total grams shelled / min		1370.0	
	HULLS		1335.0	

2024 SouthWest Spanish / HybridS / Valencia UPPT
Span 17
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	1961.7
70	2038.6
76	1573.0



2024 SouthWest Spanish / HybridS / Valencia UPPT
ARSOK S58B [R
POD BULK DENSITY TABLE

LOCATION 63

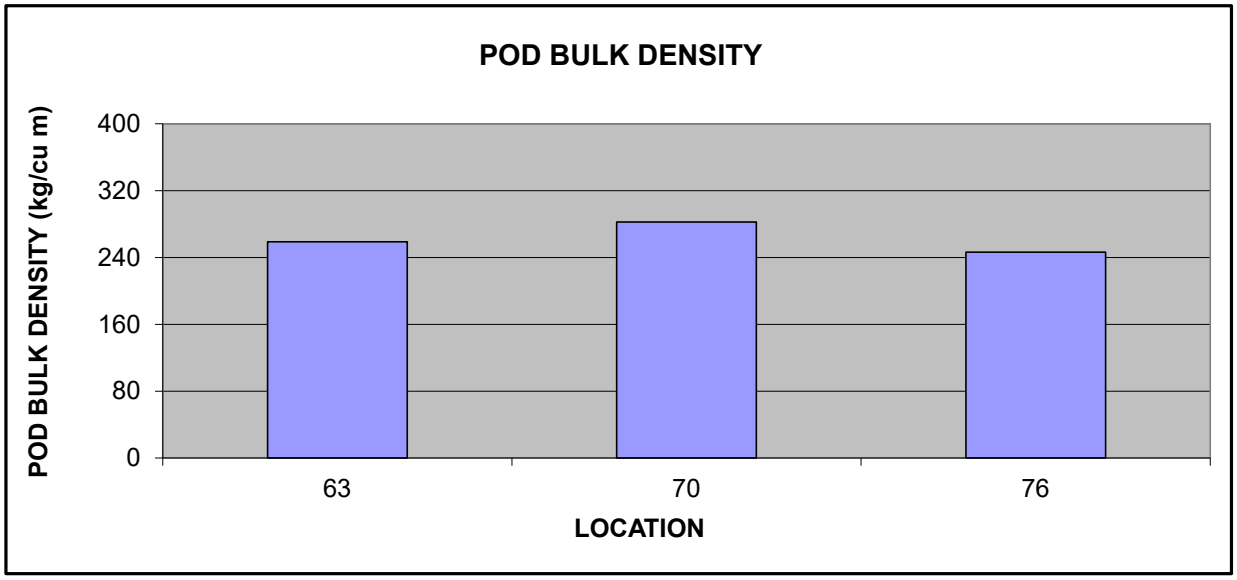
BULK	Kg	cm	Kg/m3
DENSITY	5.97	24.83	258.75

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.66	21.55	282.48

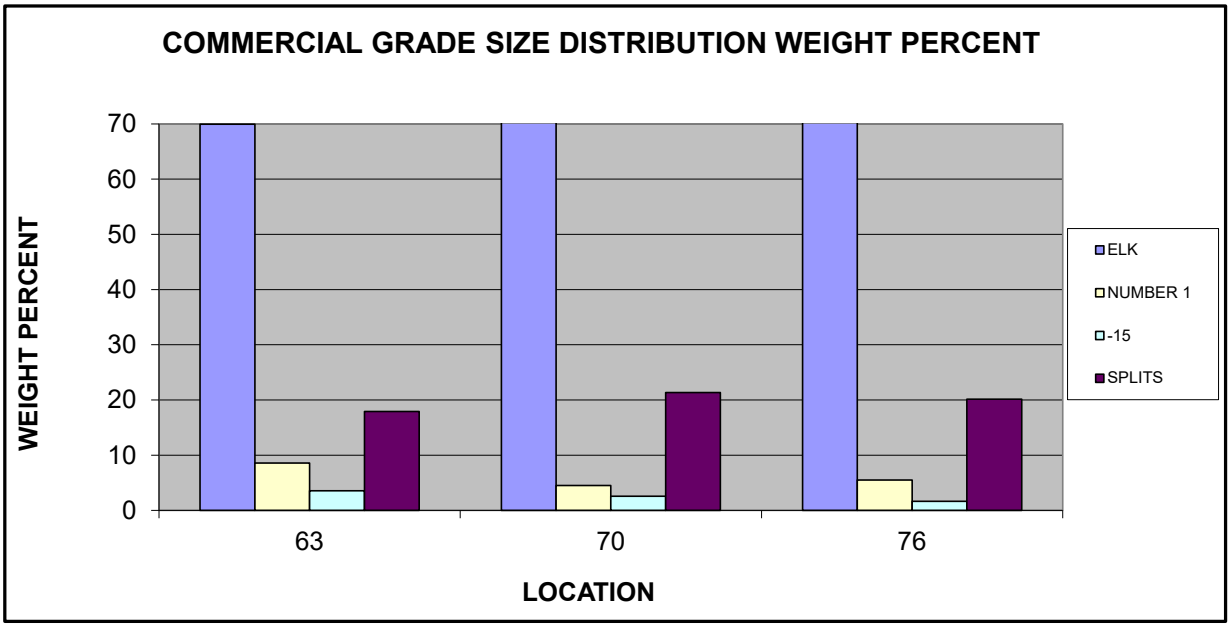
LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	5.47	23.90	246.43



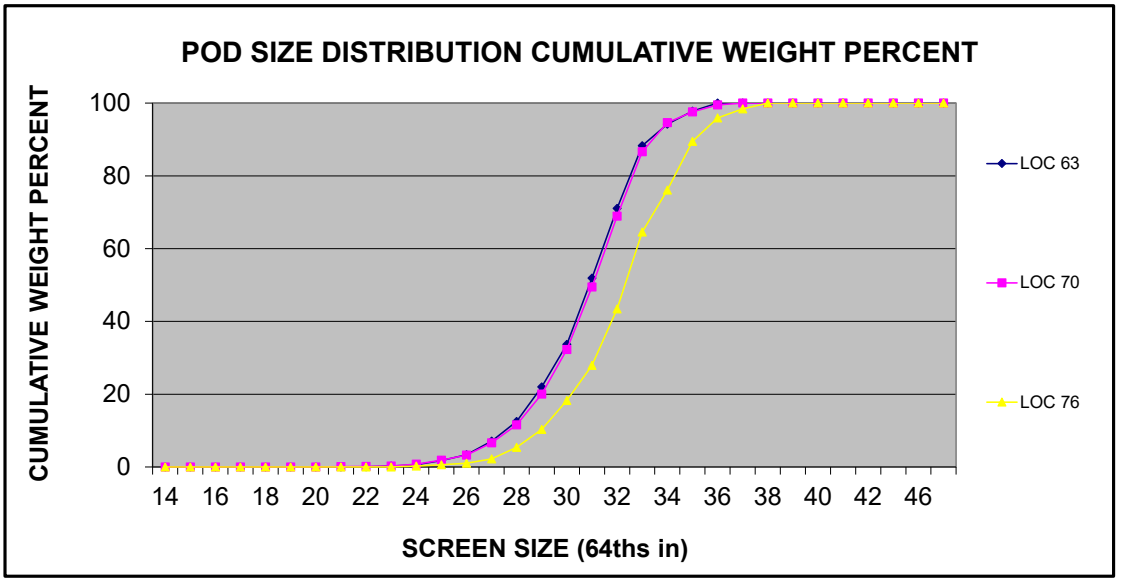
2024 SouthWest Spanish / HybridS / Valencia UPPT
ARSOK S58B [R
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	69.95	JUMBO	71.59	JUMBO	72.71
NUMBER 1	8.56	NUMBER 1	4.49	NUMBER 1	5.50
-15	3.56	-15	2.56	-15	1.66
SPLITS	17.92	SPLITS	21.36	SPLITS	20.13



2024 SouthWest Spanish / HybridS / Valencia UPPT
ARSOK S58B [R
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

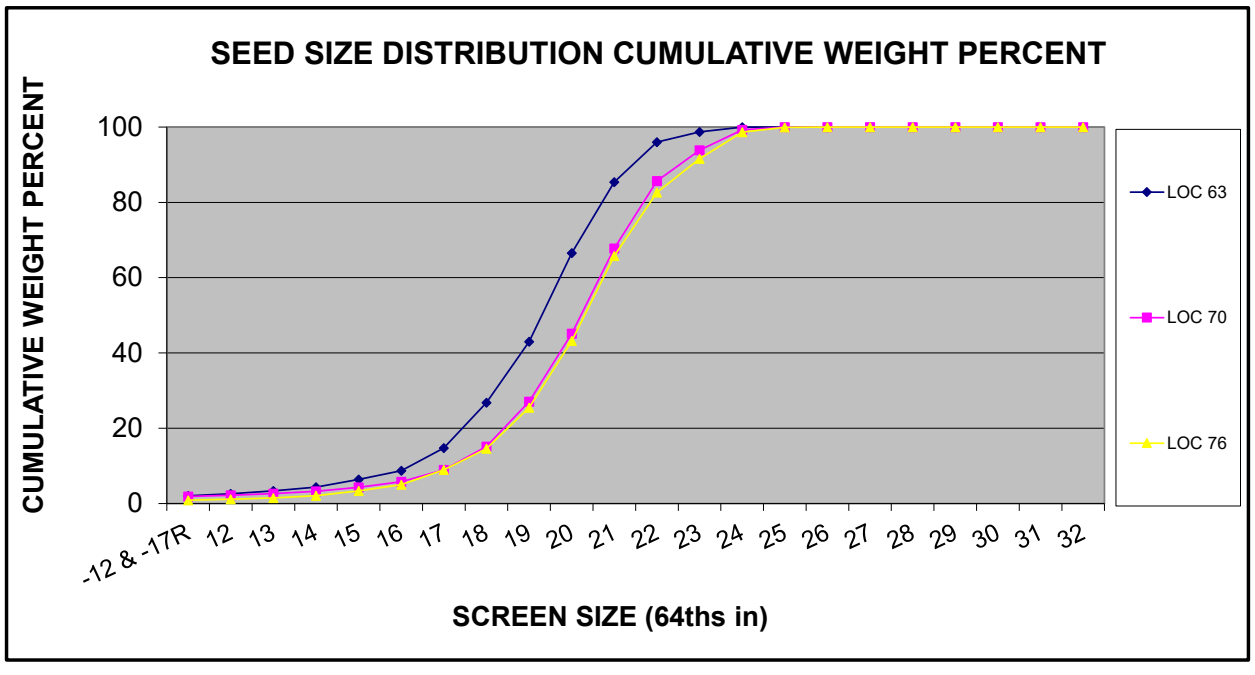
	LOCATION		
SCREEN SIZE	63	70	76
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.00	0.00	0.00
21	0.01	0.07	0.00
22	0.02	0.12	0.00
23	0.24	0.27	0.00
24	0.61	0.76	0.24
25	1.77	1.88	0.61
26	3.38	3.25	1.01
27	7.09	6.64	2.23
28	12.48	11.54	5.37
29	21.98	20.03	10.33
30	33.66	32.28	18.29
31	51.90	49.46	27.92
32	71.08	68.93	43.43
33	88.26	86.64	64.56
34	94.23	94.63	76.08
35	97.80	97.59	89.48
36	100.00	99.51	95.93
37	100.00	100.00	98.41
38	100.00	100.00	100.00
39	100.00	100.00	100.00
40	100.00	100.00	100.00
41	100.00	100.00	100.00
42	100.00	100.00	100.00
44	100.00	100.00	100.00
46	100.00	100.00	100.00
48	100.00	100.00	100.00



2024 SouthWest Spanish / HybridS / Valencia UPPT
ARSOK S58B [R
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

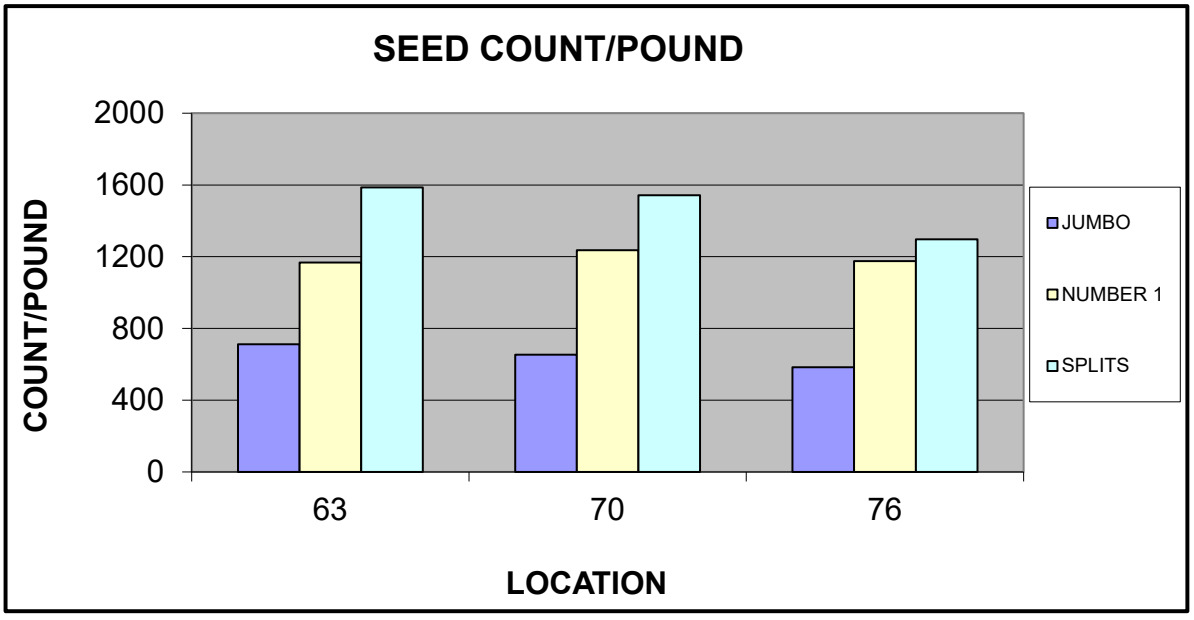
LOCATION

Screen Size	63	70	76
-12 & -17R	2.06	1.88	0.91
12	2.58	2.22	1.16
13	3.37	2.65	1.49
14	4.34	3.25	2.07
15	6.41	4.32	3.37
16	8.72	5.80	5.05
17	14.77	8.97	8.96
18	26.81	15.14	14.57
19	43.01	27.09	25.46
20	66.54	45.18	43.19
21	85.39	67.74	65.79
22	95.98	85.69	82.63
23	98.74	93.87	91.60
24	99.96	99.26	98.67
25	100.00	99.98	99.93
26	100.00	100.00	100.00
27	100.00	100.00	100.00
28	100.00	100.00	100.00
29	100.00	100.00	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00



2024 SouthWest Spanish / HybridS / Valencia UPPT
ARSOK S58B [R
SEED COUNT/POUND TABLE

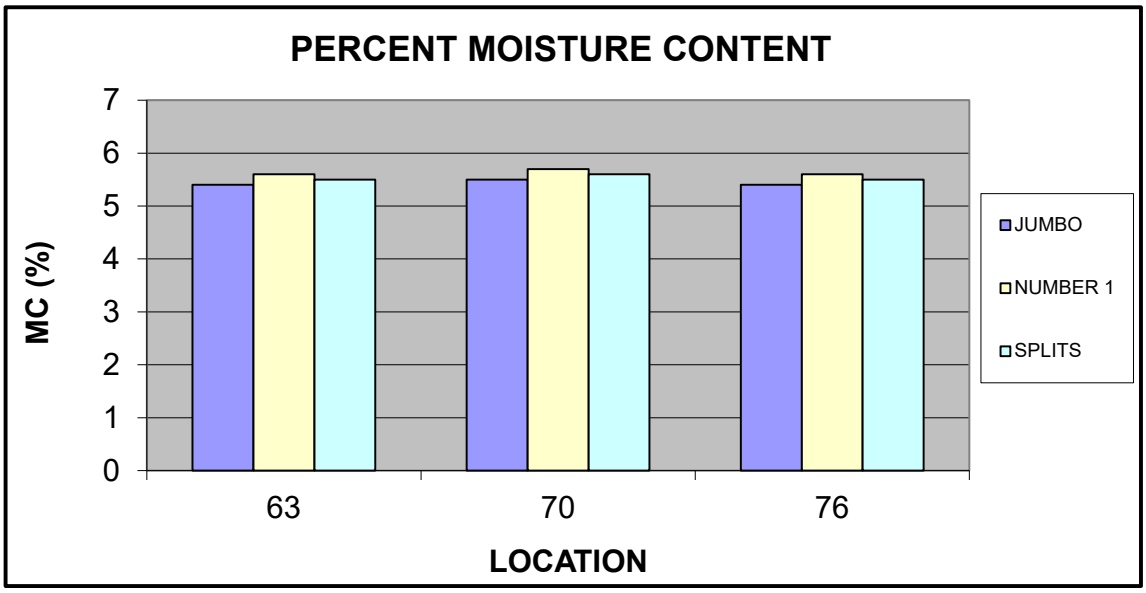
LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	712	JUMBO	653	JUMBO	583
NUMBER 1	1168	NUMBER 1	1236	NUMBER 1	1176
SPLITS	1586	SPLITS	1543	SPLITS	1297



2024 SouthWest Spanish / HybridS / Valencia UPPT
ARSOK S58B [R
SEED MOISTURE CONTENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	5.4	JUMBO	5.5	JUMBO	5.4
NUMBER 1	5.6	NUMBER 1	5.7	NUMBER 1	5.6
SPLITS	5.5	SPLITS	5.6	SPLITS	5.5

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest Spanish / HybridS / Valencia UPPT
ARSOK S58B [R
Shelling Data

LOCATION 63 DATE: 2/26/2025

STAGE	GRATE		WEIGHT	TIME
1st	27	initial	5767.6	208 sec.
		grams shelled / min	1449.2	
2nd	24	unshelled	743.8	82 sec.
		grams shelled / min	471.8	
3rd	21	unshelled	99.0	19 sec.
		grams shelled / min	312.6	
4th				
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		5767.6	5.15 min.
	Total grams shelled / min		1119.9	
	HULLS		1562.8	

LOCATION 70 DATE: 2/10/2025

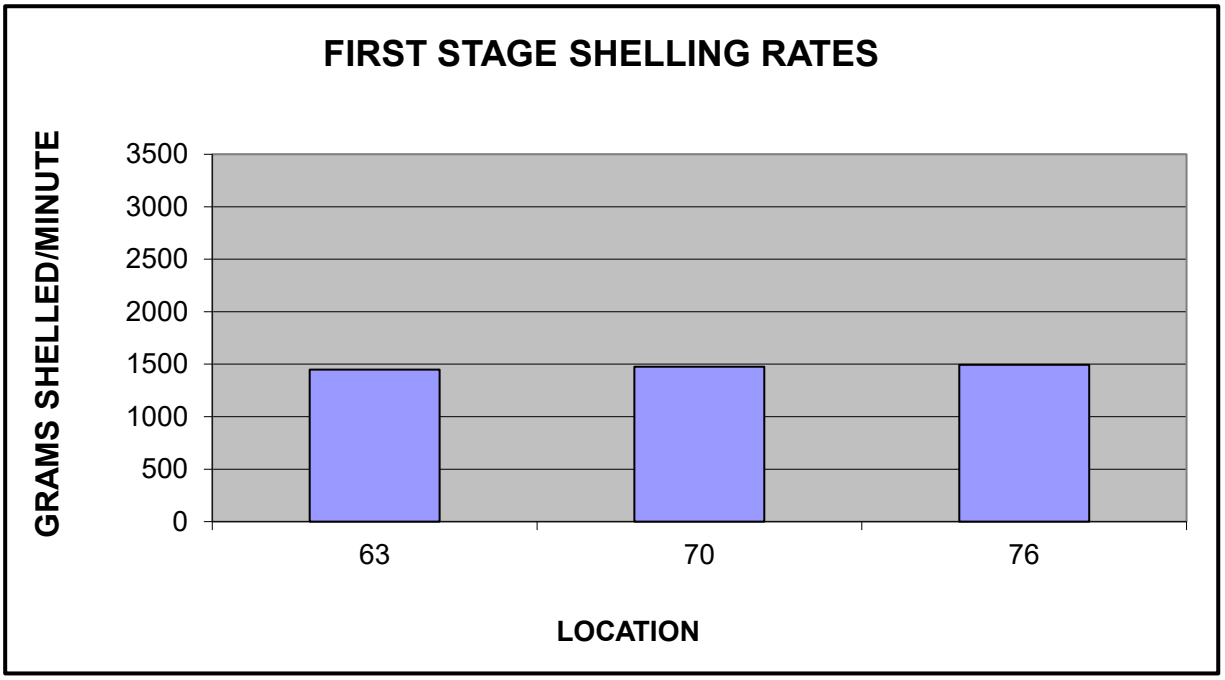
GRATE		WEIGHT	TIME
28	initial	5455.4	119 sec.
	grams shelled / min	1476.4	
25	unshelled	2527.2	139 sec.
	grams shelled / min	1037.3	
22	unshelled	124.2	56 sec.
	grams shelled / min	110.4	
19	unshelled	21.2	19 sec.
	grams shelled / min	66.9	
Final grams unshelled		0.0	
Total grams shelled		5455.4	5.55 min.
Total grams shelled / min		983.0	
HULLS		1442.2	

LOCATION 76 DATE: 1/10/2025

STAGE	GRATE		WEIGHT	TIME
1st	28	initial	5271.6	139 sec.
		grams shelled / min	1494.6	
2nd	25	unshelled	1809.2	87 sec.
		grams shelled / min	1077.2	
3rd	22	unshelled	247.2	12 sec.
		grams shelled / min	1236.0	
4th				
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		5271.6	3.97 min.
	Total grams shelled / min		1329.0	
	HULLS		1348.6	

2024 SouthWest Spanish / HybridS / Valencia UPPT
ARSOK S58B [R
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	1449.2
70	1476.4
76	1494.6



2024 SouthWest Spanish / HybridS / Valencia UPPT
TP210656-2-1
POD BULK DENSITY TABLE

LOCATION 63

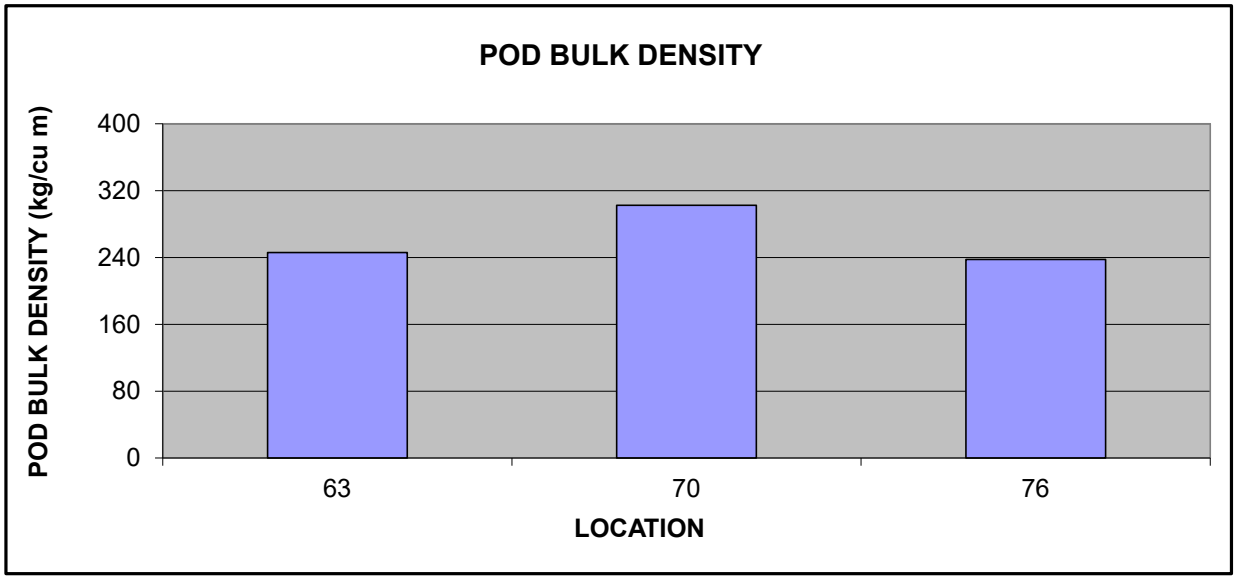
BULK	Kg	cm	Kg/m3
DENSITY	4.98	21.80	245.78

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.55	19.78	302.34

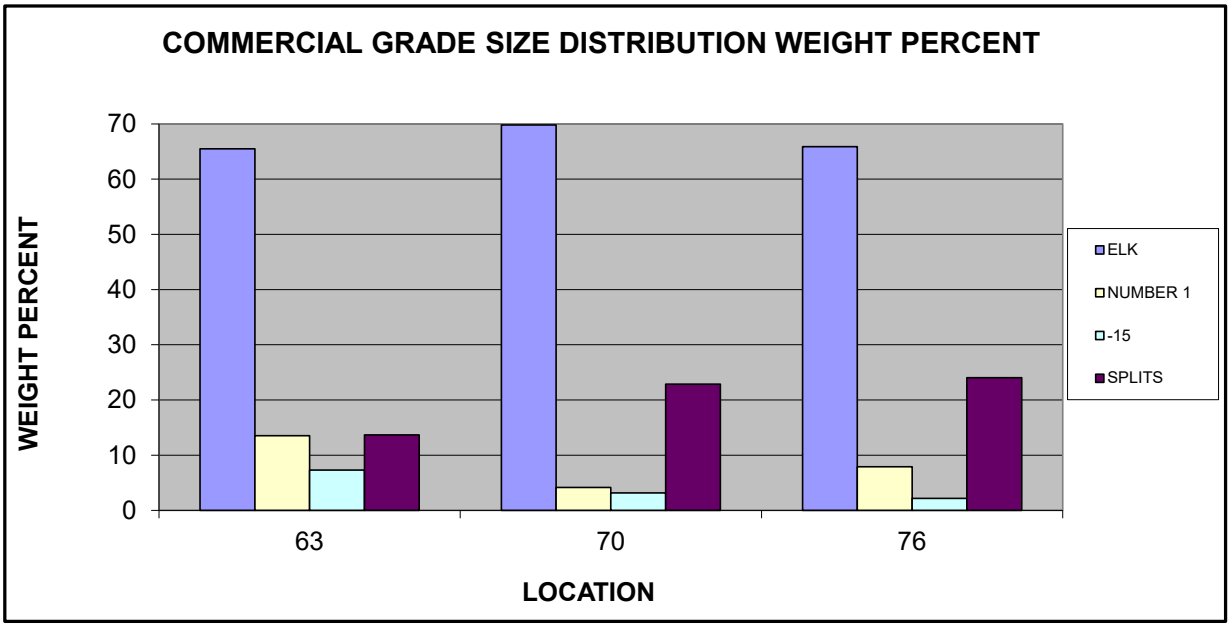
LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	5.16	23.38	237.52



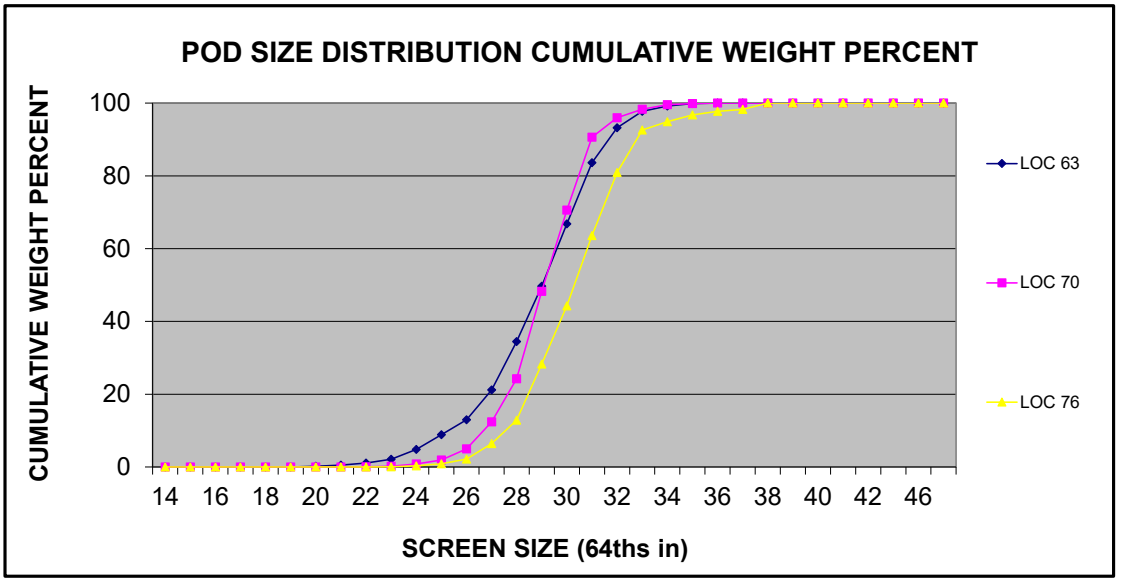
2024 SouthWest Spanish / HybridS / Valencia UPPT
TP210656-2-1
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	65.50	JUMBO	69.81	JUMBO	65.89
NUMBER 1	13.52	NUMBER 1	4.17	NUMBER 1	7.91
-15	7.30	-15	3.15	-15	2.17
SPLITS	13.68	SPLITS	22.87	SPLITS	24.04



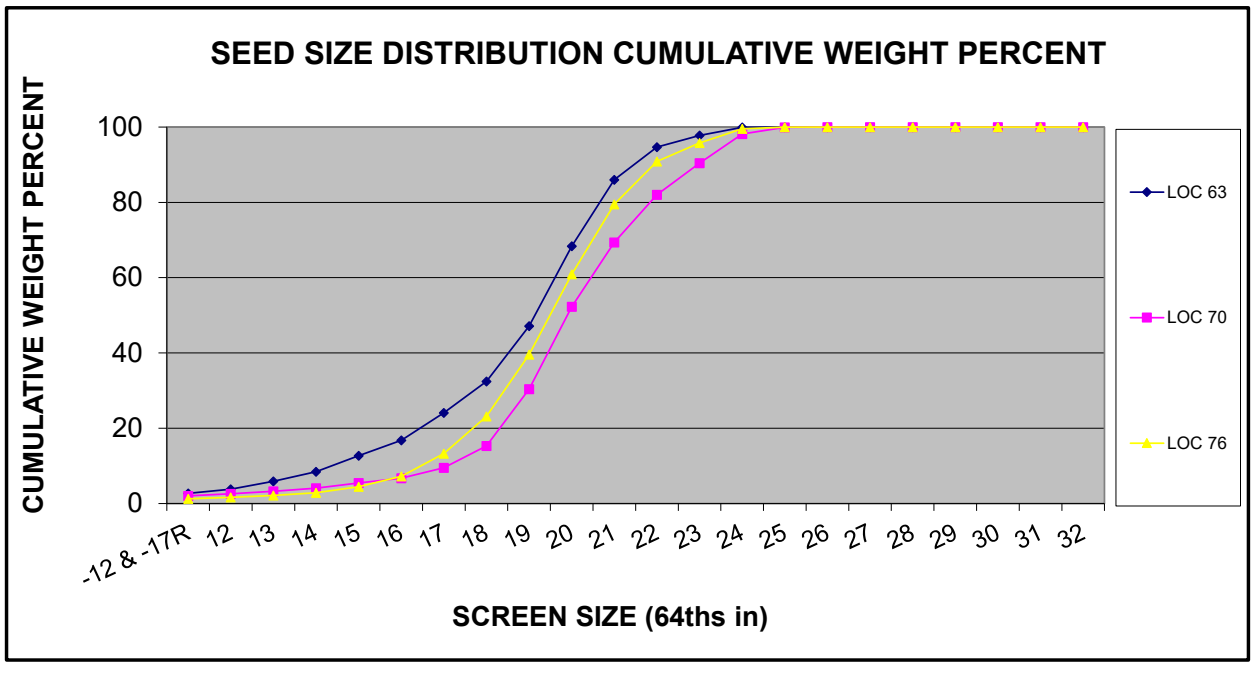
2024 SouthWest Spanish / HybridS / Valencia UPPT
TP210656-2-1
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

SCREEN SIZE	LOCATION 63	70	76
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.01	0.00	0.00
20	0.18	0.00	0.00
21	0.51	0.00	0.00
22	1.08	0.04	0.00
23	2.11	0.19	0.02
24	4.82	0.82	0.30
25	8.85	1.93	0.90
26	12.98	4.98	2.17
27	21.15	12.37	6.42
28	34.48	24.21	12.86
29	49.64	48.28	28.30
30	66.80	70.57	44.27
31	83.64	90.62	63.58
32	93.22	95.96	80.92
33	97.75	98.31	92.59
34	99.20	99.57	94.86
35	99.86	99.86	96.76
36	100.00	100.00	97.73
37	100.00	100.00	98.25
38	100.00	100.00	100.00
39	100.00	100.00	100.00
40	100.00	100.00	100.00
41	100.00	100.00	100.00
42	100.00	100.00	100.00
44	100.00	100.00	100.00
46	100.00	100.00	100.00
48	100.00	100.00	100.00



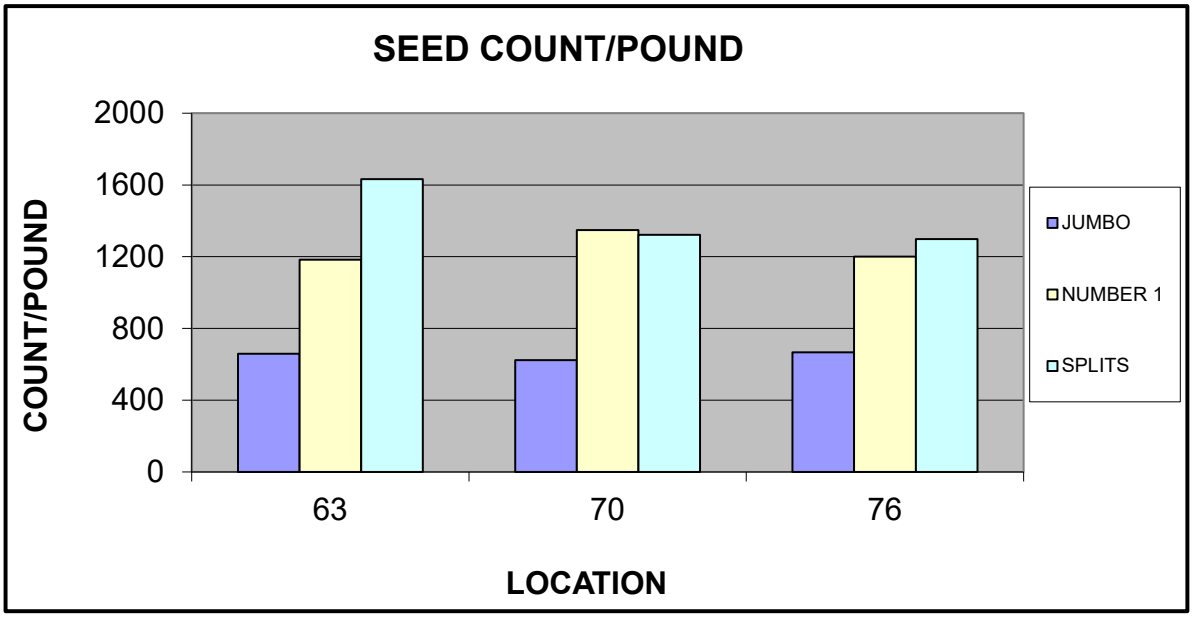
2024 SouthWest Spanish / HybridS / Valencia UPPT
TP210656-2-1
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

Screen Size	LOCATION 63	70	76
-12 & -17R	2.71	2.05	1.26
12	3.83	2.59	1.63
13	5.91	3.26	2.14
14	8.45	4.09	2.86
15	12.68	5.47	4.48
16	16.77	6.76	7.23
17	24.12	9.49	13.27
18	32.43	15.33	23.14
19	47.16	30.42	39.60
20	68.37	52.28	60.91
21	85.98	69.36	79.50
22	94.67	82.02	90.87
23	97.79	90.42	95.76
24	99.93	98.19	99.56
25	100.00	99.91	99.98
26	100.00	100.00	100.00
27	100.00	100.00	100.00
28	100.00	100.00	100.00
29	100.00	100.00	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00



2024 SouthWest Spanish / HybridS / Valencia UPPT
TP210656-2-1
SEED COUNT/POUND TABLE

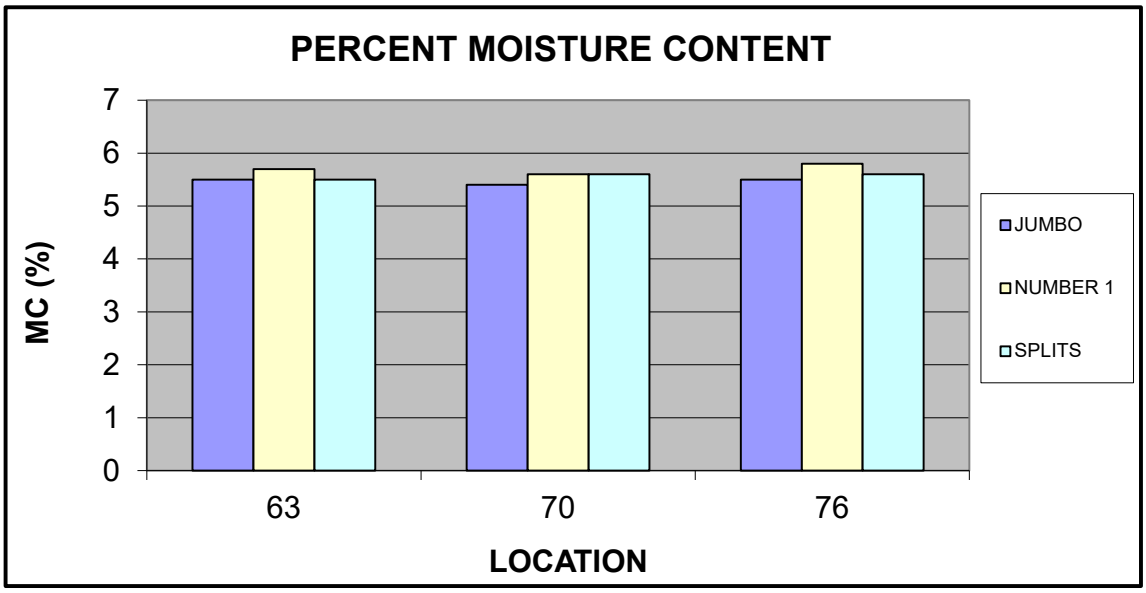
LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	659	JUMBO	624	JUMBO	667
NUMBER 1	1183	NUMBER 1	1348	NUMBER 1	1200
SPLITS	1633	SPLITS	1322	SPLITS	1299



2024 SouthWest Spanish / HybridS / Valencia UPPT
TP210656-2-1
SEED MOISTURE CONTENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	5.5	JUMBO	5.4	JUMBO	5.5
NUMBER 1	5.7	NUMBER 1	5.6	NUMBER 1	5.8
SPLITS	5.5	SPLITS	5.6	SPLITS	5.6

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest Spanish / HybridS / Valencia UPPT
TP210656-2-1
Shelling Data

LOCATION 63 DATE: 2/26/2025

STAGE	GRATE		WEIGHT	TIME
1st	25	initial	4777.8	169 sec.
		grams shelled / min	1472.8	
2nd	22	unshelled	629.4	73 sec.
		grams shelled / min	369.7	
3rd	19	unshelled	179.6	34 sec.
		grams shelled / min	316.9	
4th				
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		4777.8	4.63 min.
	Total grams shelled / min		1031.2	
	HULLS		142.0	

LOCATION 70 DATE: 2/10/2025

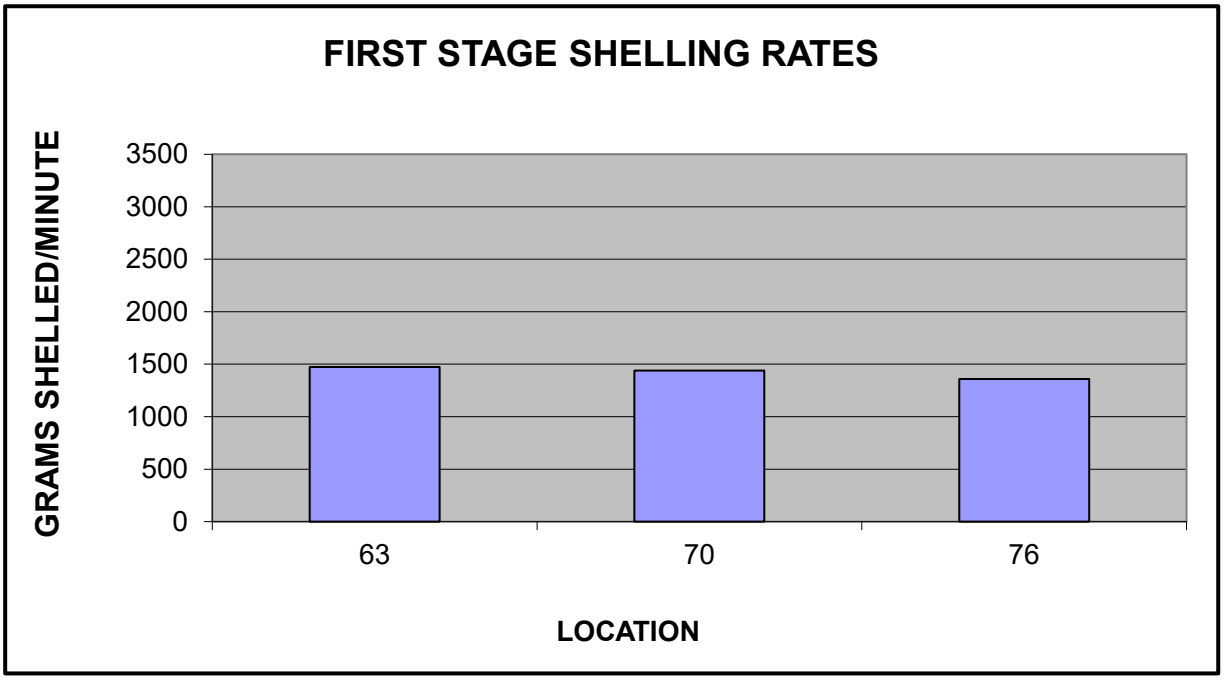
GRATE		WEIGHT	TIME
28	initial	5354.4	111 sec.
	grams shelled / min	1440.0	
25	unshelled	2690.4	126 sec.
	grams shelled / min	1191.4	
22	unshelled	188.4	36 sec.
	grams shelled / min	314.0	
Final grams unshelled		0.0	
Total grams shelled		5354.4	4.55 min.
Total grams shelled / min		1176.8	
HULLS		1343.2	

LOCATION 76 DATE: 1/10/2025

STAGE	GRATE		WEIGHT	TIME
1st	28	initial	4958.0	134 sec.
		grams shelled / min	1359.4	
2nd	25	unshelled	1922.0	82 sec.
		grams shelled / min	1177.2	
3rd	22	unshelled	313.2	18 sec.
		grams shelled / min	1044.0	
4th				
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		4958.0	3.93 min.
	Total grams shelled / min		1260.5	
	HULLS		1237.8	

2024 SouthWest Spanish / HybridS / Valencia UPPT
TP210656-2-1
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	1472.8
70	1440.0
76	1359.4



2024 SouthWest Spanish / HybridS / Valencia UPPT
Val C
POD BULK DENSITY TABLE

LOCATION 63

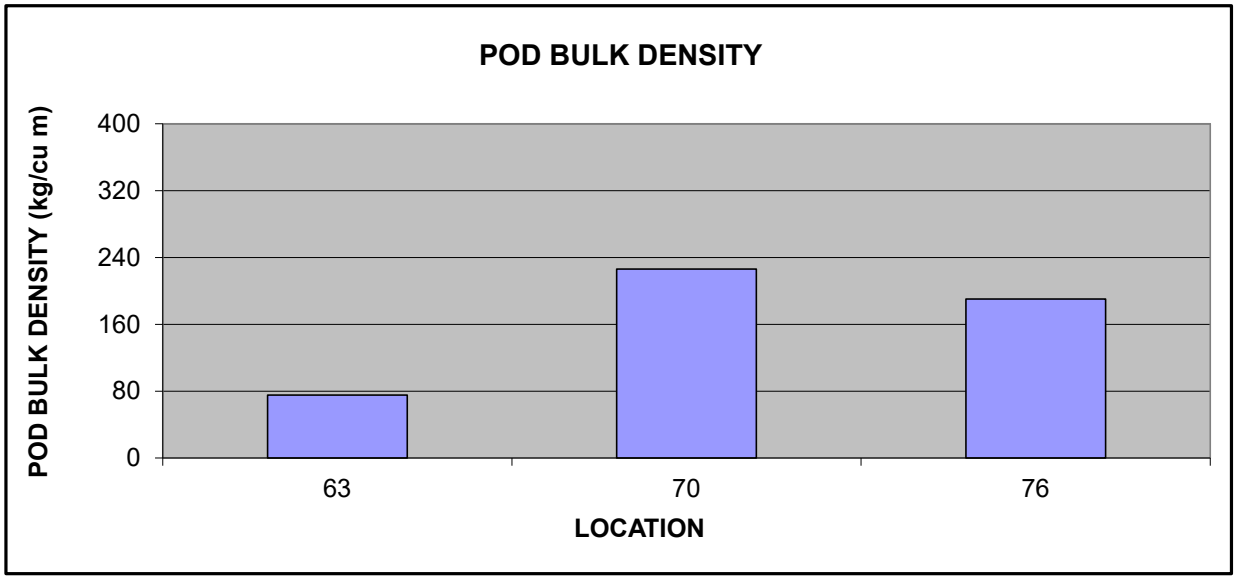
BULK	Kg	cm	Kg/m3
DENSITY	0.33	4.78	75.34

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.53	26.33	226.15

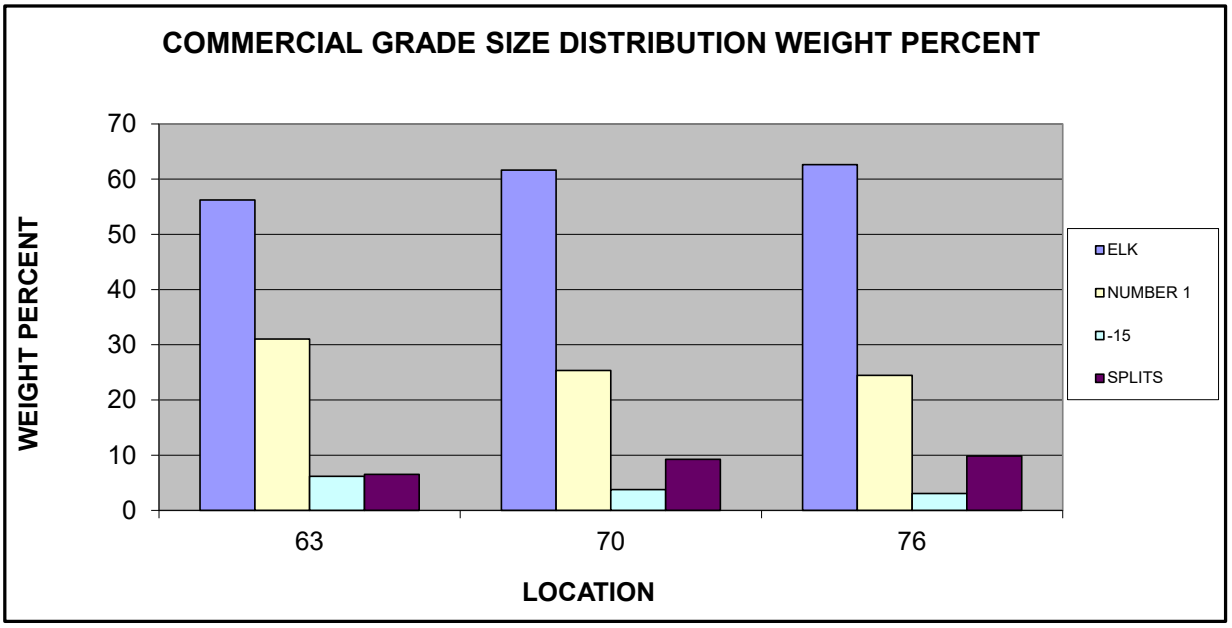
LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	3.37	19.08	190.31



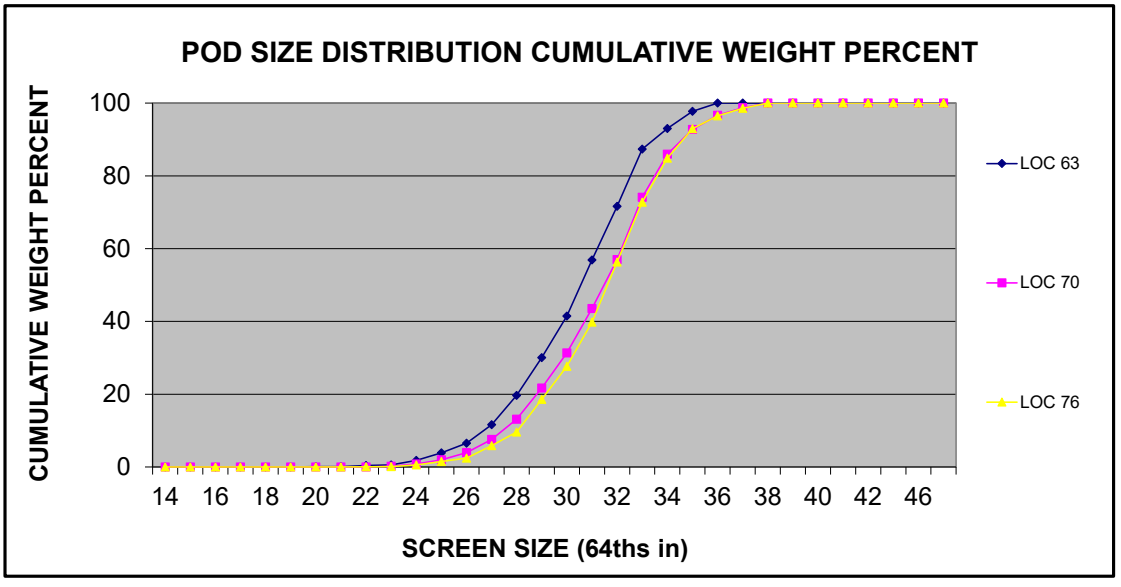
2024 SouthWest Spanish / HybridS / Valencia UPPT
Val C
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	56.24	JUMBO	61.66	JUMBO	62.62
NUMBER 1	31.06	NUMBER 1	25.34	NUMBER 1	24.45
-15	6.19	-15	3.76	-15	3.07
SPLITS	6.52	SPLITS	9.25	SPLITS	9.85



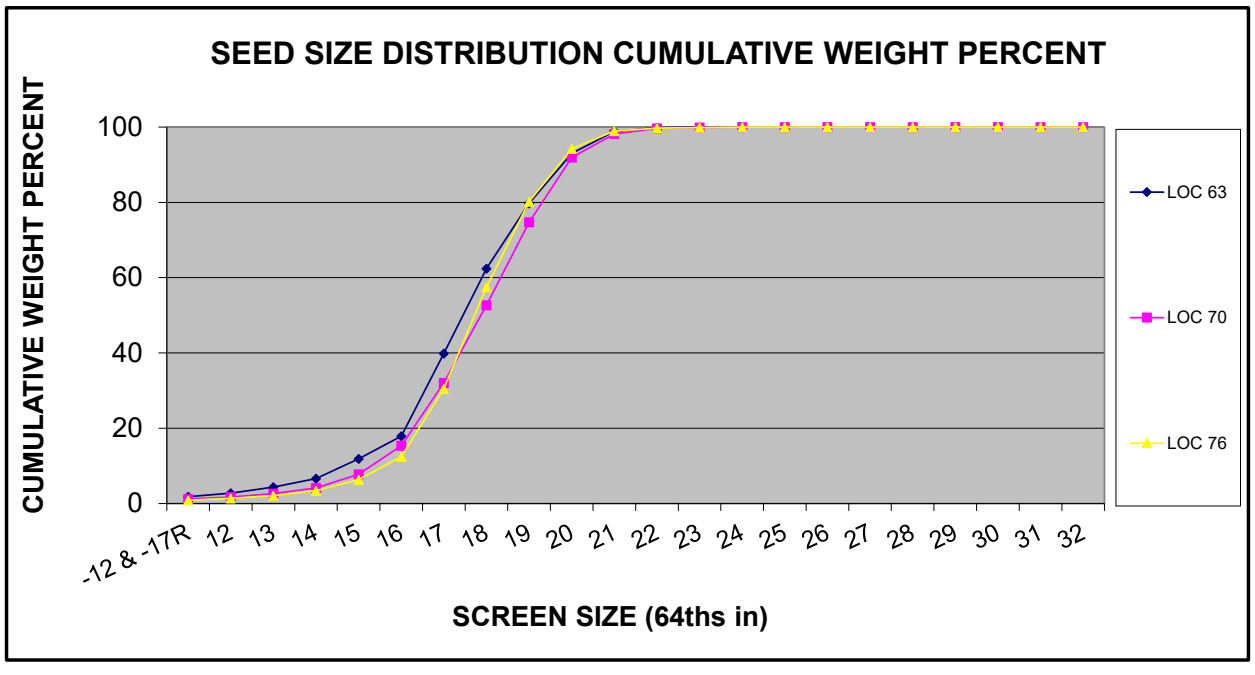
2024 SouthWest Spanish / HybridS / Valencia UPPT
Val C
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

SCREEN SIZE	LOCATION 63	70	76
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.08	0.00	0.00
21	0.11	0.00	0.00
22	0.40	0.00	0.04
23	0.59	0.17	0.10
24	1.83	0.82	0.57
25	3.87	1.96	1.52
26	6.55	3.96	2.44
27	11.63	7.59	5.86
28	19.67	13.11	9.57
29	30.04	21.69	18.56
30	41.47	31.36	27.64
31	56.89	43.54	39.79
32	71.62	56.99	56.29
33	87.36	74.14	72.77
34	93.03	85.96	84.87
35	97.76	92.75	92.98
36	100.00	96.67	96.47
37	100.00	98.74	98.57
38	100.00	100.00	100.00
39	100.00	100.00	100.00
40	100.00	100.00	100.00
41	100.00	100.00	100.00
42	100.00	100.00	100.00
44	100.00	100.00	100.00
46	100.00	100.00	100.00
48	100.00	100.00	100.00



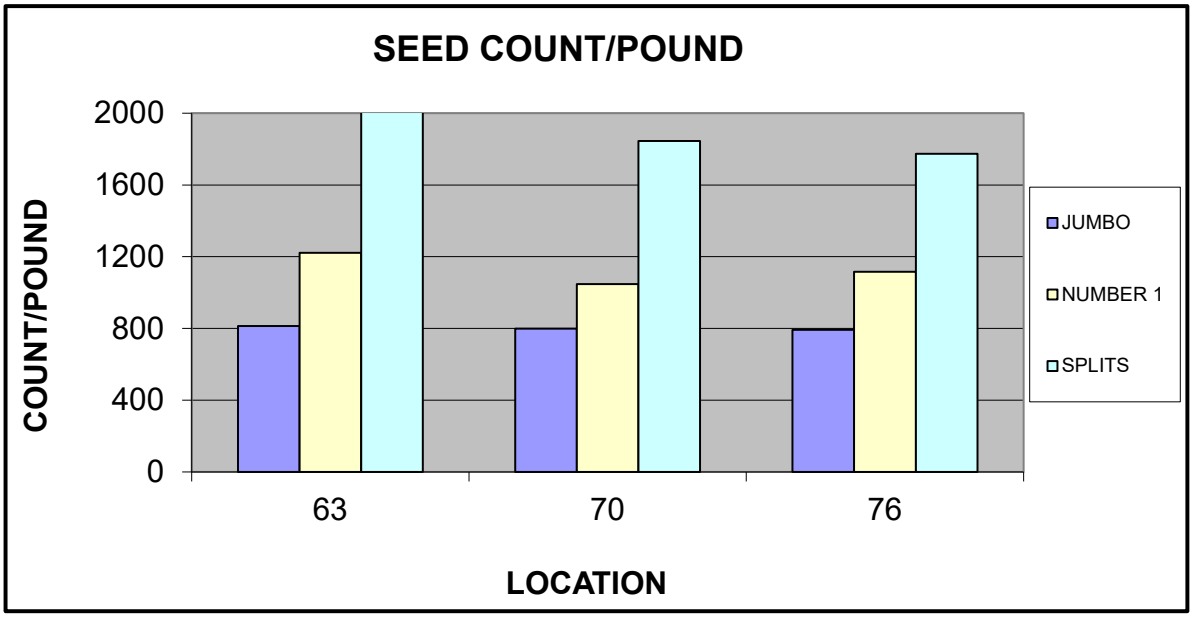
2024 SouthWest Spanish / HybridS / Valencia UPPT
Val C
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

Screen Size	LOCATION 63	70	76
-12 & -17R	1.82	1.22	0.89
12	2.78	1.72	1.38
13	4.37	2.67	2.10
14	6.62	4.14	3.41
15	11.86	7.79	6.37
16	17.93	15.34	12.46
17	39.84	32.06	30.53
18	62.42	52.66	57.48
19	79.77	74.72	80.19
20	93.03	91.92	94.26
21	98.83	98.17	98.93
22	99.84	99.65	99.69
23	100.00	99.89	99.86
24	100.00	100.00	99.97
25	100.00	100.00	100.00
26	100.00	100.00	100.00
27	100.00	100.00	100.00
28	100.00	100.00	100.00
29	100.00	100.00	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00



2024 SouthWest Spanish / HybridS / Valencia UPPT
Val C
SEED COUNT/POUND TABLE

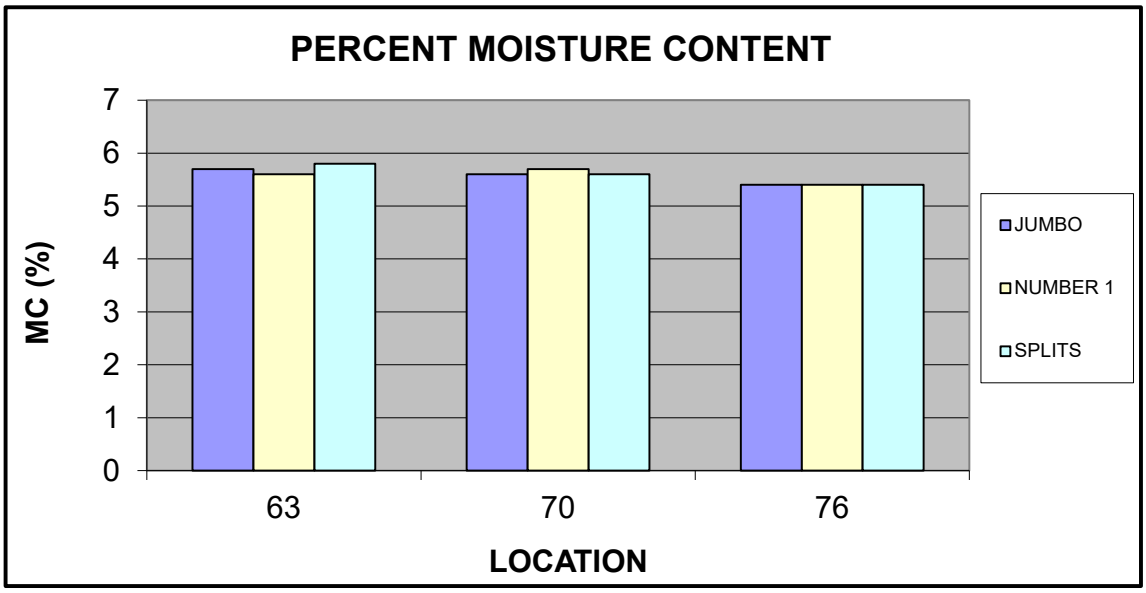
LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	813.5	JUMBO	799	JUMBO	791.9
NUMBER 1	1222.0	NUMBER 1	1048	NUMBER 1	1116.1
SPLITS	2030.4	SPLITS	1845	SPLITS	1773.3



2024 SouthWest Spanish / HybridS / Valencia UPPT
Val C
SEED MOISTURE CONTENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	5.7	JUMBO	5.6	JUMBO	5.4
NUMBER 1	5.6	NUMBER 1	5.7	NUMBER 1	5.4
SPLITS	5.8	SPLITS	5.6	SPLITS	5.4

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest Spanish / HybridS / Valencia UPPT
Val C
Shelling Data

LOCATION 63 DATE: 2/26/2025

STAGE	GRATE		WEIGHT	TIME
1st	25	initial	134.2	42 sec.
		grams shelled / min	144.6	
2nd	22	unshelled	33.0	12 sec.
		grams shelled / min	165.0	
3rd				
4th				
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		134.2	0.95 min.
	Total grams shelled / min		141.3	
	HULLS		225.8	

LOCATION 70 DATE: 2/10/2025

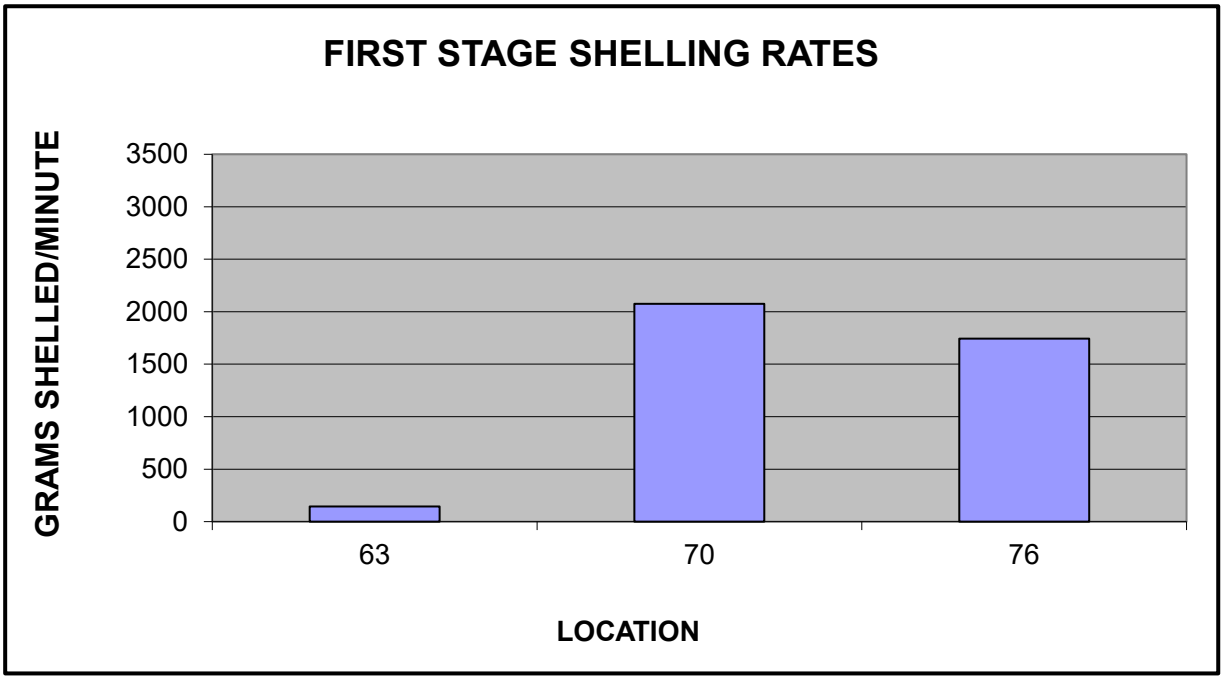
GRATE		WEIGHT	TIME
25	initial	5331.0	151 sec.
	grams shelled / min	2075.9	
22	unshelled	106.6	47 sec.
	grams shelled / min	136.1	
Final grams unshelled		0.0	
Total grams shelled		5331.0	3.32 min.
Total grams shelled / min		1607.3	
HULLS		1703.4	

LOCATION 76 DATE: 1/13/2025

STAGE	GRATE		WEIGHT	TIME
1st	25	initial	3172.6	101 sec.
		grams shelled / min	1743.6	
2nd	22	unshelled	237.6	12 sec.
		grams shelled / min	1188.0	
3rd				
4th				
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		3172.6	1.93 min.
	Total grams shelled / min		1641.0	
	HULLS		1000.4	

2024 SouthWest Spanish / HybridS / Valencia UPPT
Val C
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	144.6
70	2075.9
76	1743.6



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-1
POD BULK DENSITY TABLE

LOCATION 63

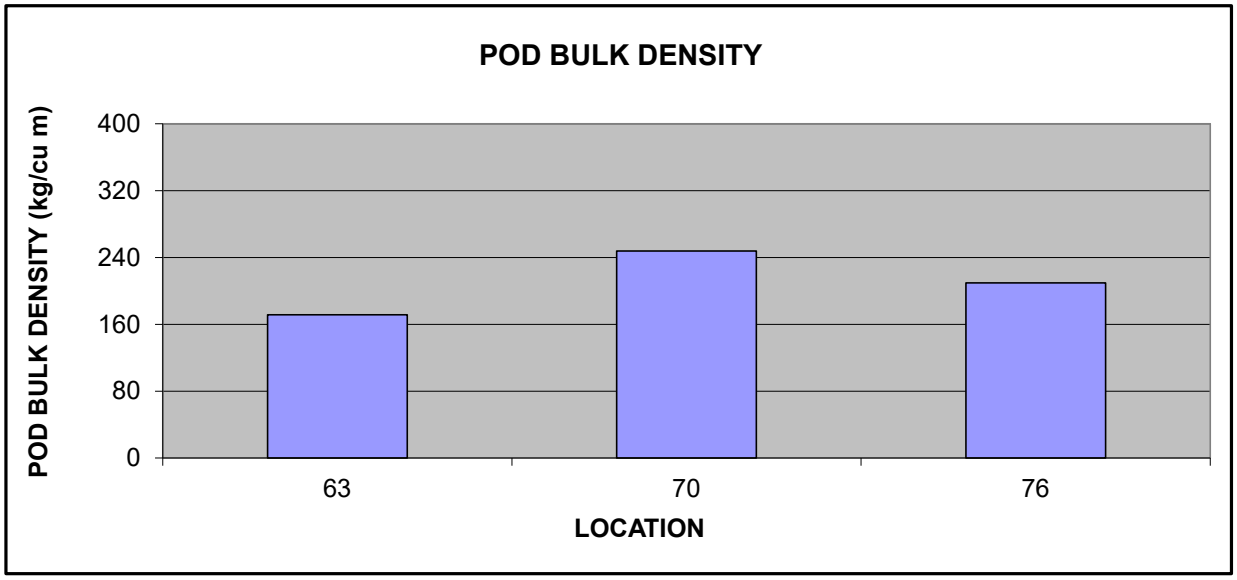
BULK	Kg	cm	Kg/m3
DENSITY	1.92	12.08	171.33

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.70	24.78	247.73

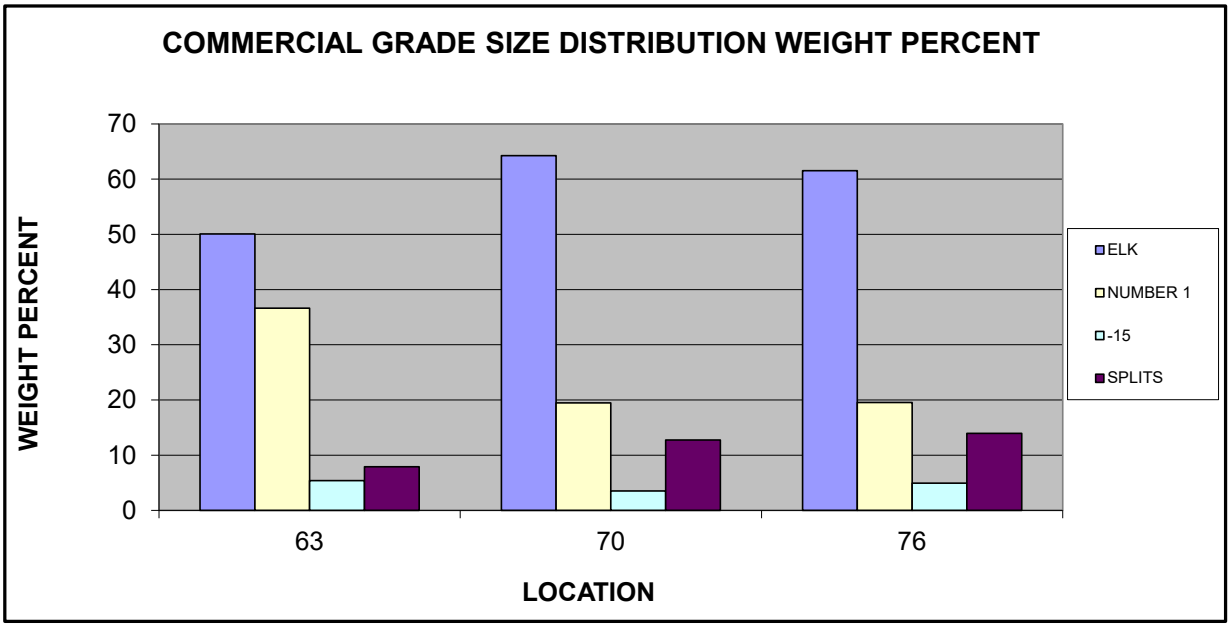
LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	4.66	23.95	209.48



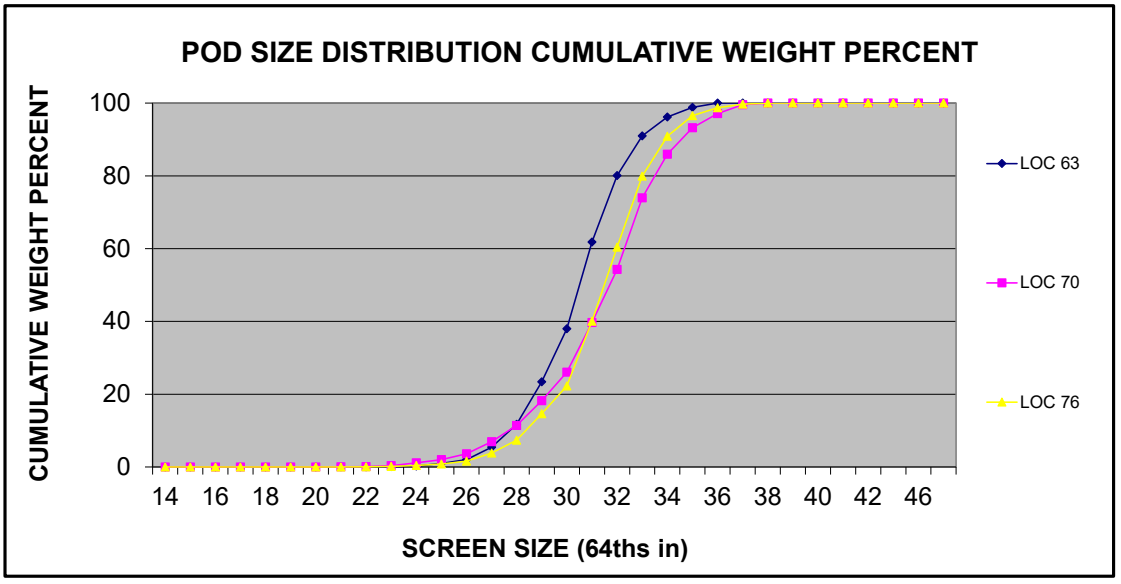
2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-1
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	50.07	JUMBO	64.27	JUMBO	61.54
NUMBER 1	36.63	NUMBER 1	19.47	NUMBER 1	19.54
-15	5.38	-15	3.52	-15	4.95
SPLITS	7.91	SPLITS	12.74	SPLITS	13.97



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-1
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

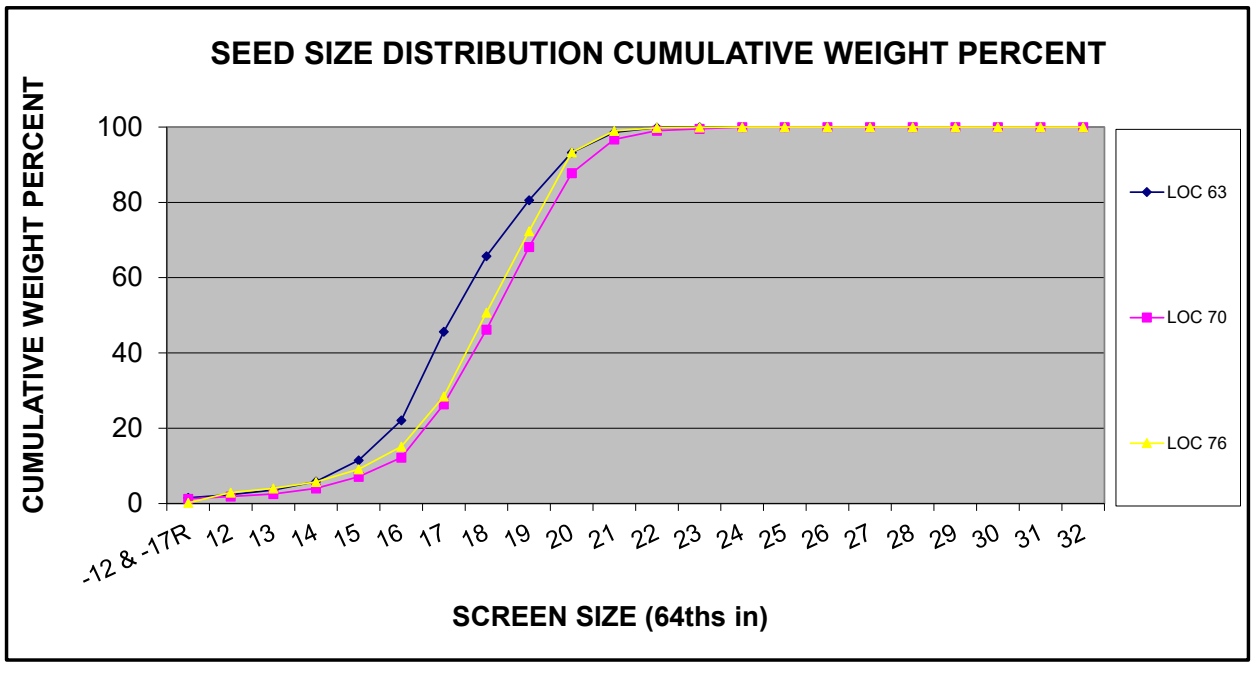
	LOCATION		
SCREEN SIZE	63	70	76
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.00	0.00	0.00
21	0.04	0.03	0.00
22	0.06	0.09	0.05
23	0.08	0.38	0.14
24	0.26	1.15	0.42
25	0.97	2.00	0.81
26	2.03	3.60	1.60
27	5.45	6.95	3.85
28	11.71	11.40	7.34
29	23.40	18.19	14.65
30	37.98	26.06	22.27
31	61.84	39.68	40.05
32	80.08	54.29	60.42
33	90.97	73.96	79.93
34	96.18	85.96	90.87
35	98.81	93.24	96.52
36	100.00	97.13	98.74
37	100.00	99.55	99.69
38	100.00	100.00	100.00
39	100.00	100.00	100.00
40	100.00	100.00	100.00
41	100.00	100.00	100.00
42	100.00	100.00	100.00
44	100.00	100.00	100.00
46	100.00	100.00	100.00
48	100.00	100.00	100.00



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-1
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

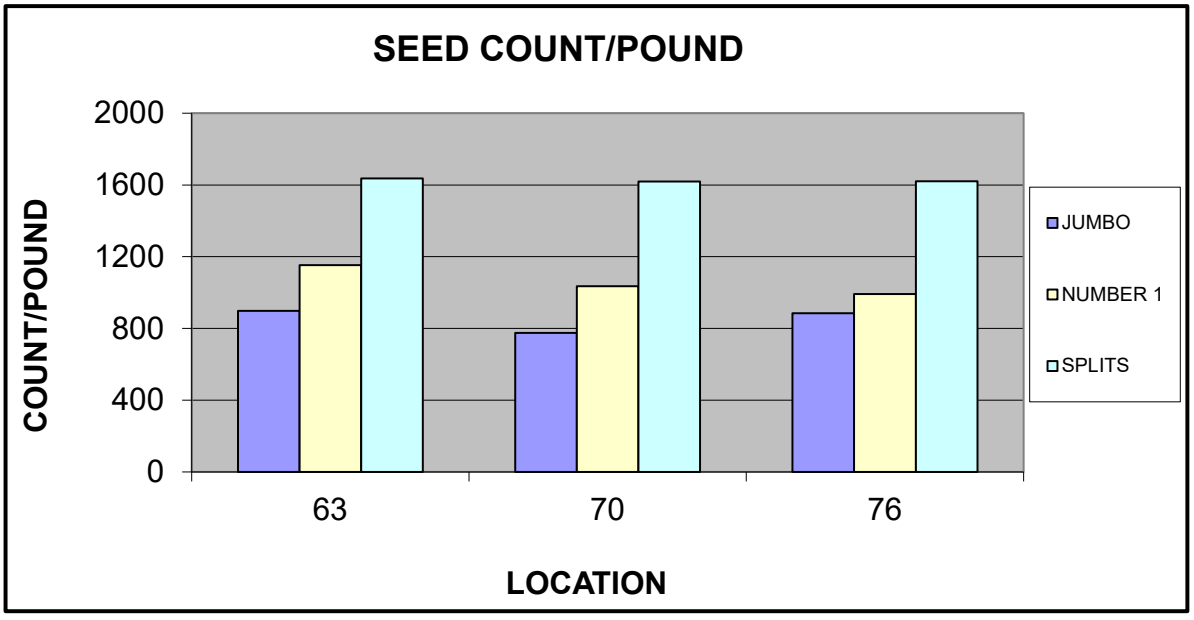
LOCATION

Screen Size	63	70	76
-12 & -17R	1.52	1.24	0.19
12	2.39	1.86	2.90
13	3.60	2.54	4.03
14	5.85	4.03	5.75
15	11.47	7.14	9.11
16	22.13	12.23	15.16
17	45.63	26.35	28.47
18	65.69	46.18	50.74
19	80.60	68.14	72.35
20	93.27	87.77	93.32
21	98.61	96.73	99.01
22	99.85	99.03	99.83
23	99.96	99.55	99.94
24	100.00	100.00	100.00
25	100.00	100.00	100.00
26	100.00	100.00	100.00
27	100.00	100.00	100.00
28	100.00	100.00	100.00
29	100.00	100.00	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-1
SEED COUNT/POUND TABLE

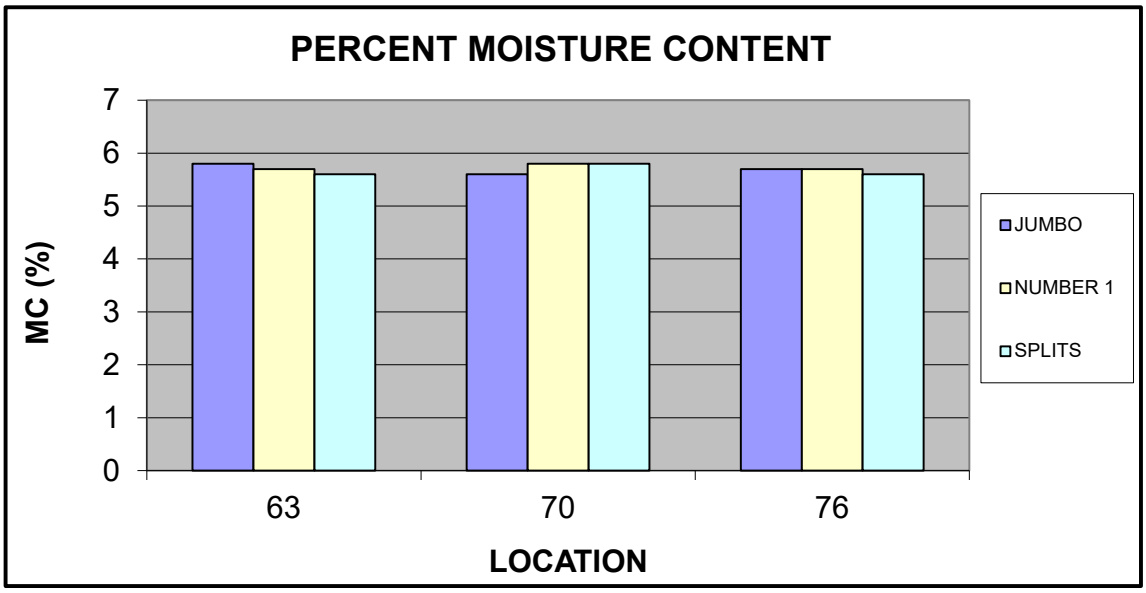
LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	898	JUMBO	775	JUMBO	884
NUMBER 1	1154	NUMBER 1	1035	NUMBER 1	992
SPLITS	1636	SPLITS	1619	SPLITS	1621



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-1
SEED MOISTURE CONTENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	5.8	JUMBO	5.6	JUMBO	5.7
NUMBER 1	5.7	NUMBER 1	5.8	NUMBER 1	5.7
SPLITS	5.6	SPLITS	5.8	SPLITS	5.6

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-1
Shelling Data

LOCATION 63 DATE: 2/26/2025

STAGE	GRATE		WEIGHT	TIME
1st	25	initial	1722.0	82 sec.
		grams shelled / min	1231.2	
2nd	22	unshelled	39.4	11 sec.
		grams shelled / min	214.9	
3rd				
4th				
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		1722.0	1.58 min.
	Total grams shelled / min		1087.6	
	HULLS		720.8	

LOCATION 70 DATE: 2/11/2025

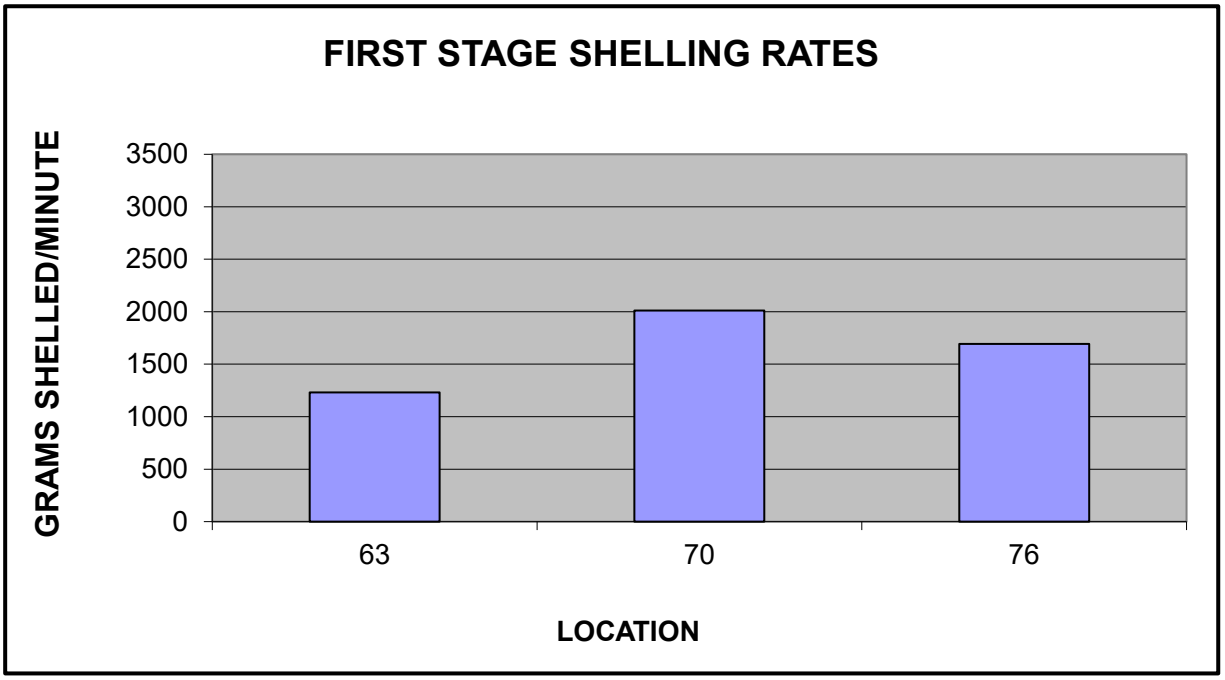
GRATE		WEIGHT	TIME
25	initial	5502.0	161 sec.
	grams shelled / min	2011.0	
22	unshelled	105.8	25 sec.
	grams shelled / min	253.9	
Final grams unshelled		0.0	
Total grams shelled		5502.0	3.13 min.
Total grams shelled / min		1756.0	
HULLS		1717.6	

LOCATION 76 DATE: 1/13/2025

STAGE	GRATE		WEIGHT	TIME
1st	25	initial	4461.0	150 sec.
		grams shelled / min	1693.1	
2nd	22	unshelled	228.2	15 sec.
		grams shelled / min	912.8	
3rd		unshelled	0.0	1 sec.
		grams shelled / min	0.0	
4th			0.0	1
			0.0	
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		4461.0	2.78 min.
	Total grams shelled / min		1602.8	
	HULLS		1323.4	

2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-1
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	1231.2
70	2011.0
76	1693.1



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-2
POD BULK DENSITY TABLE

LOCATION 63

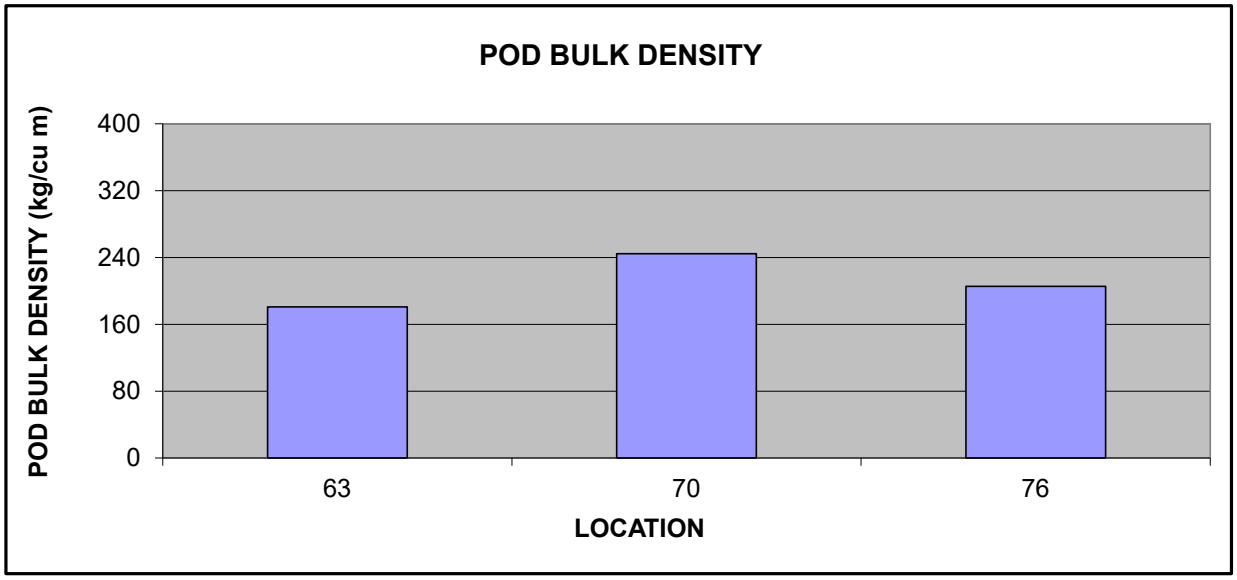
BULK	Kg	cm	Kg/m3
DENSITY	2.11	12.58	180.87

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.46	24.05	244.58

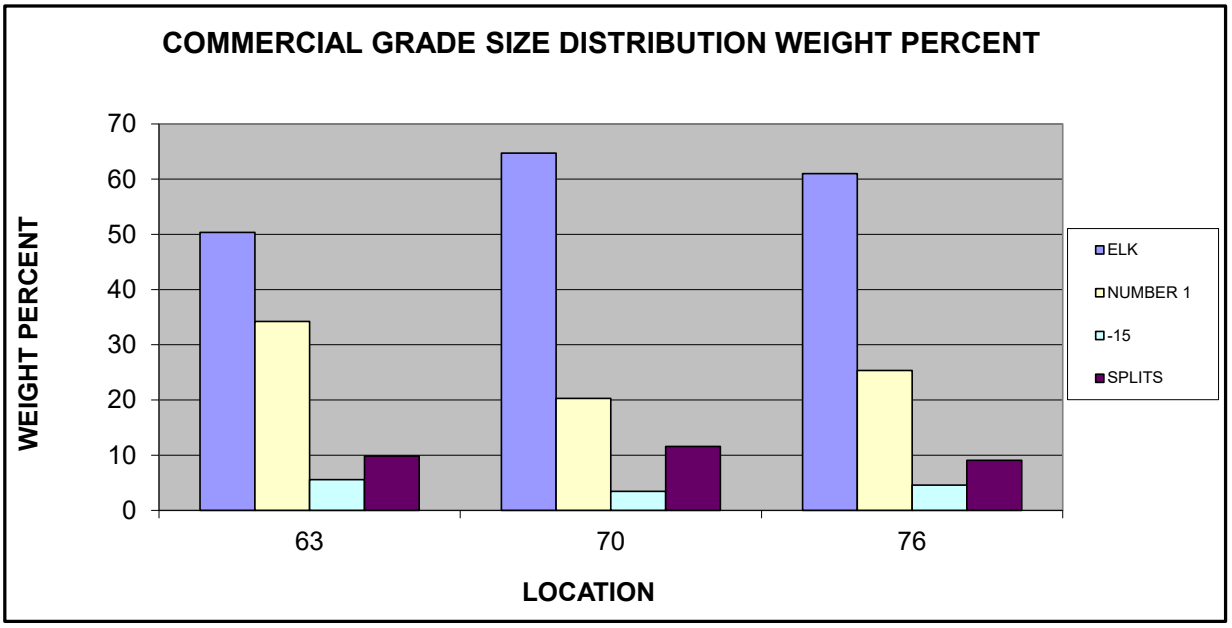
LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	4.64	24.33	205.44



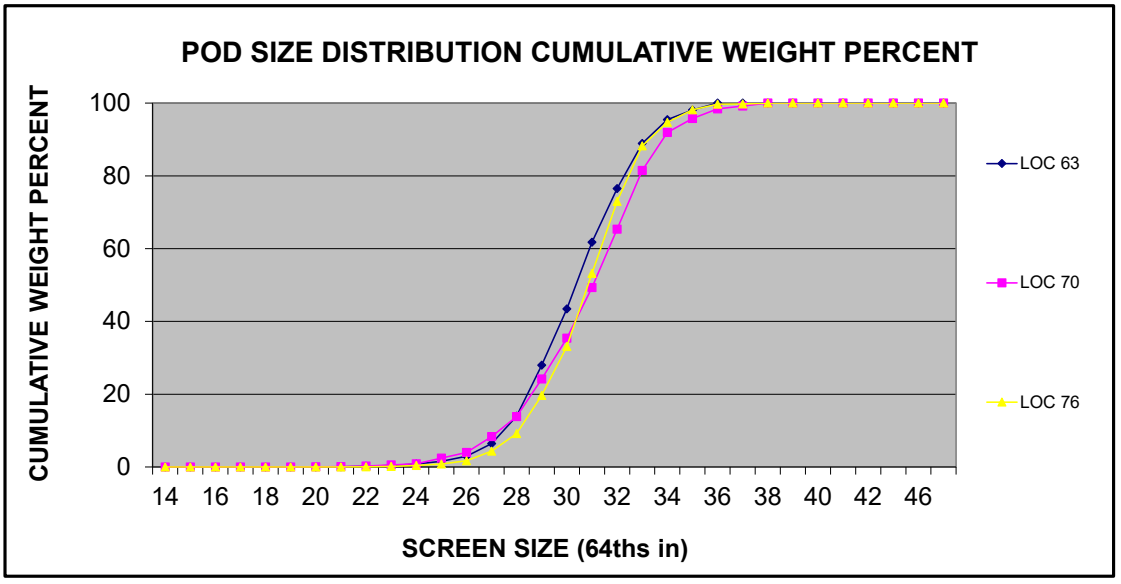
2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-2
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	50.37	JUMBO	64.72	JUMBO	60.99
NUMBER 1	34.22	NUMBER 1	20.28	NUMBER 1	25.36
-15	5.57	-15	3.43	-15	4.60
SPLITS	9.84	SPLITS	11.57	SPLITS	9.06



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-2
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

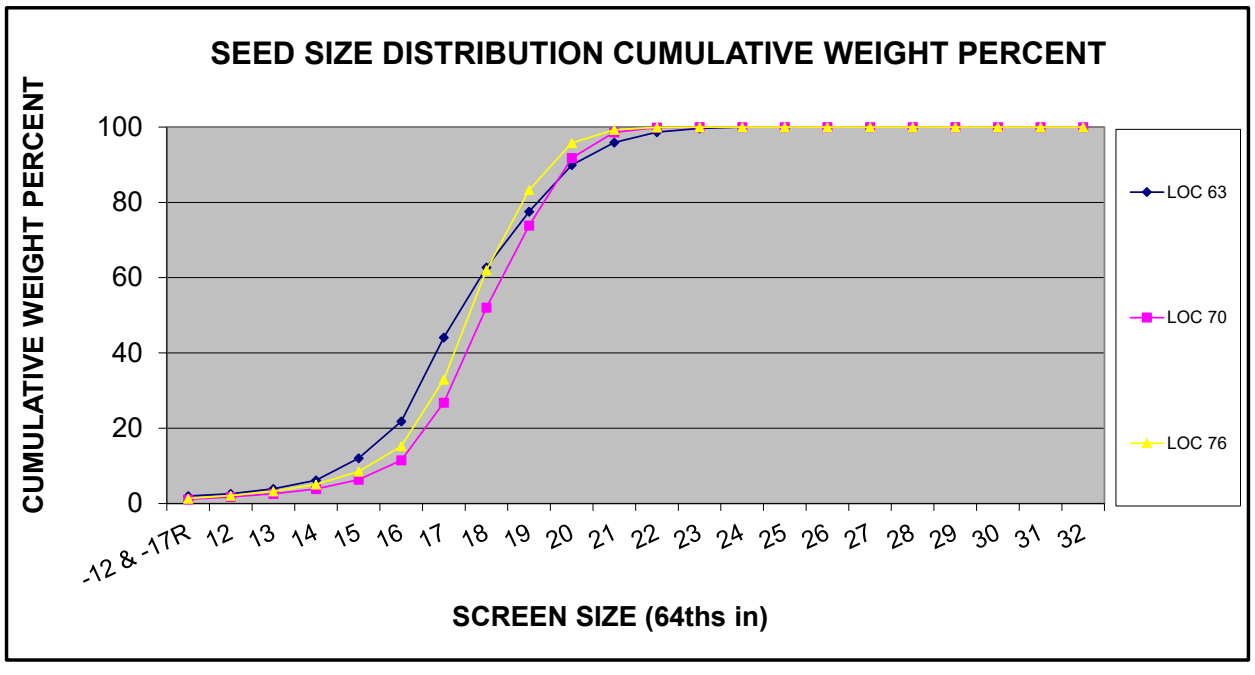
	LOCATION		
SCREEN SIZE	63	70	76
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.00	0.04	0.00
21	0.06	0.11	0.00
22	0.21	0.24	0.03
23	0.41	0.56	0.14
24	0.81	0.88	0.39
25	1.52	2.41	0.82
26	2.94	3.98	1.72
27	6.44	8.36	4.33
28	13.94	13.86	9.17
29	27.97	24.15	19.67
30	43.45	35.42	33.08
31	61.74	49.30	53.22
32	76.53	65.33	72.95
33	88.90	81.46	88.24
34	95.48	91.94	94.74
35	98.12	95.77	98.13
36	100.00	98.40	99.70
37	100.00	99.20	99.78
38	100.00	100.00	100.00
39	100.00	100.00	100.00
40	100.00	100.00	100.00
41	100.00	100.00	100.00
42	100.00	100.00	100.00
44	100.00	100.00	100.00
46	100.00	100.00	100.00
48	100.00	100.00	100.00



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-2
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

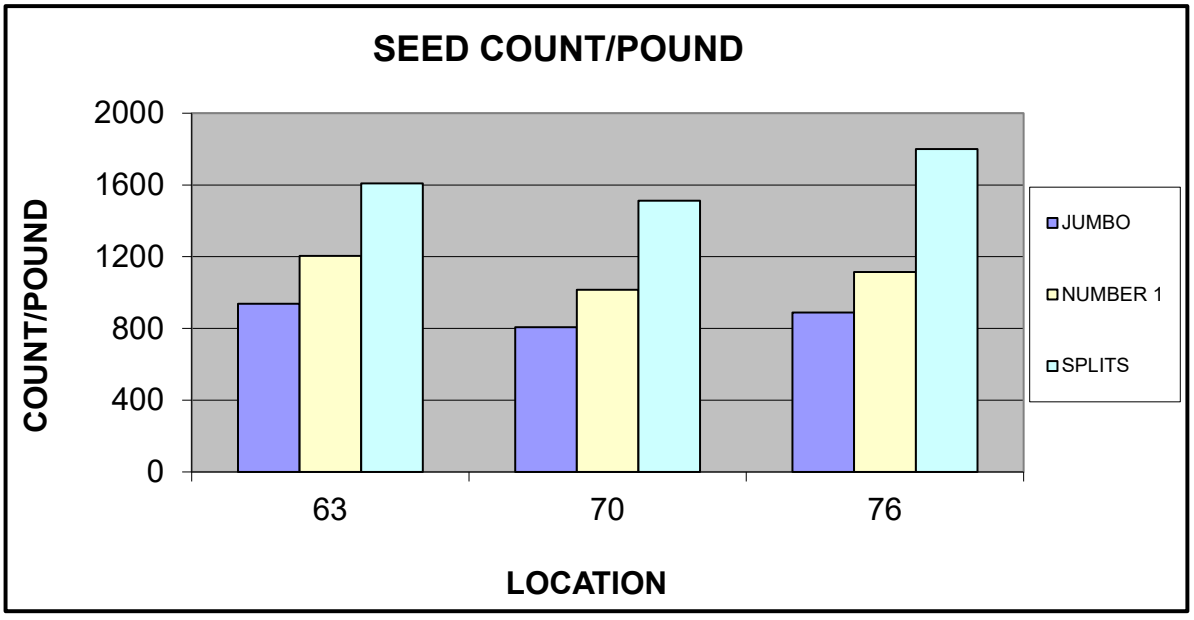
LOCATION

Screen Size	63	70	76
-12 & -17R	2.00	1.12	1.34
12	2.58	1.75	2.07
13	3.92	2.59	3.26
14	6.18	3.88	5.05
15	12.05	6.36	8.53
16	21.84	11.51	15.24
17	44.13	26.81	32.94
18	62.72	52.04	62.00
19	77.57	73.86	83.29
20	89.92	91.78	95.78
21	95.89	98.61	99.26
22	98.63	99.89	99.93
23	99.66	99.97	99.98
24	100.00	100.00	100.00
25	100.00	100.00	100.00
26	100.00	100.00	100.00
27	100.00	100.00	100.00
28	100.00	100.00	100.00
29	100.00	100.00	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-2
SEED COUNT/POUND TABLE

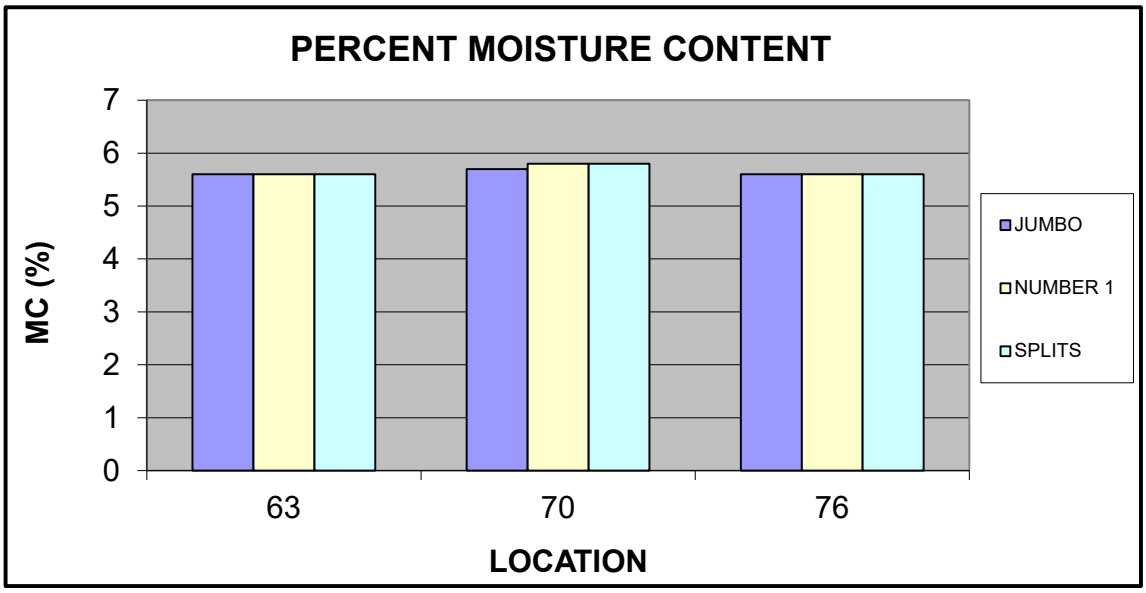
LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	937	JUMBO	806	JUMBO	889
NUMBER 1	1204	NUMBER 1	1016	NUMBER 1	1114
SPLITS	1609	SPLITS	1513	SPLITS	1800



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-2
SEED MOISTURE CONTENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	5.6	JUMBO	5.7	JUMBO	5.6
NUMBER 1	5.6	NUMBER 1	5.8	NUMBER 1	5.6
SPLITS	5.6	SPLITS	5.8	SPLITS	5.6

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-2
Shelling Data

LOCATION 63 DATE: 2/27/2025

STAGE	GRATE		WEIGHT	TIME
1st	25	initial	1913.0	94 sec.
		grams shelled / min	1182.8	
2nd	22	unshelled	60.0	15 sec.
		grams shelled / min	240.0	
3rd				
4th				
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		1913.0	1.83 min.
	Total grams shelled / min		1043.5	
	HULLS		745.0	

LOCATION 70 DATE: 2/11/2025

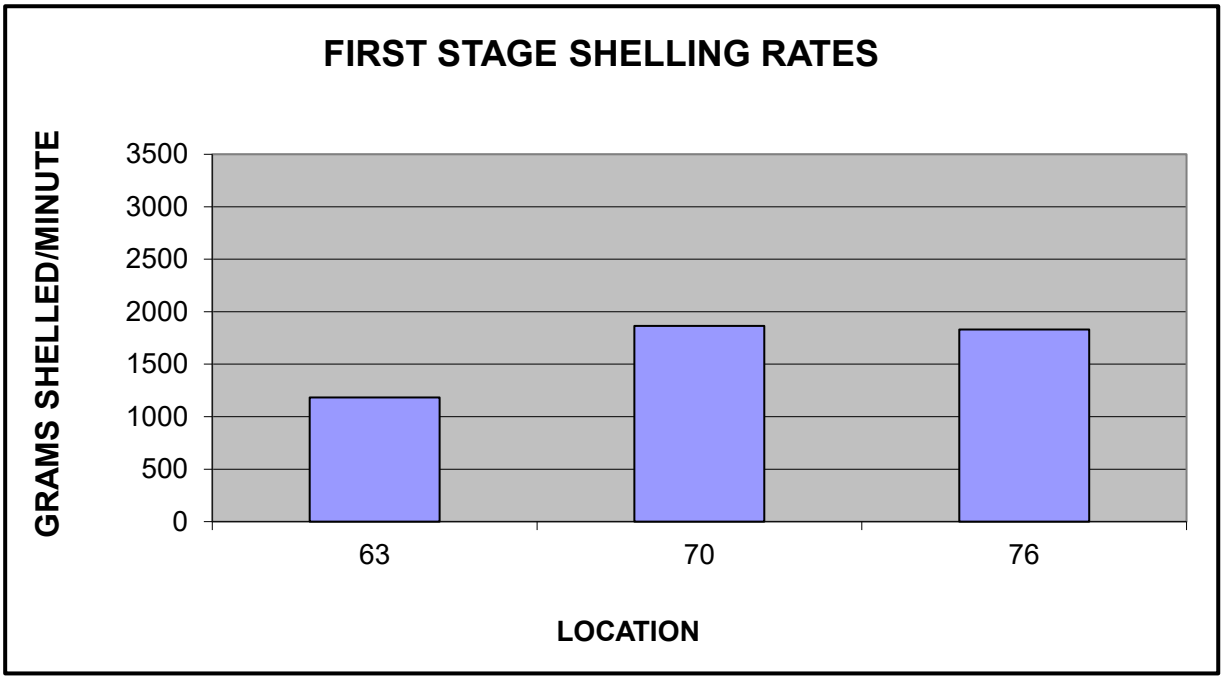
GRATE		WEIGHT	TIME
25	initial	5264.6	165 sec.
	grams shelled / min	1863.9	
22	unshelled	139.0	28 sec.
	grams shelled / min	297.9	
	unshelled	0.0	1 sec.
	grams shelled / min	0.0	
	unshelled		sec.
	grams shelled / min		
Final grams unshelled		0.0	
Total grams shelled		5264.6	3.23 min.
Total grams shelled / min		1628.2	
HULLS		1627.0	

LOCATION 76 DATE: 1/13/2025

STAGE	GRATE		WEIGHT	TIME
1st	24	initial	4442.6	139 sec.
		grams shelled / min	1831.3	
2nd	21	unshelled	200.2	11 sec.
		grams shelled / min	1092.0	
3rd				
4th				
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		4442.6	2.52 min.
	Total grams shelled / min		1765.3	
	HULLS		1308.4	

2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-2
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	1182.8
70	1863.9
76	1831.3



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-3
POD BULK DENSITY TABLE

LOCATION 63

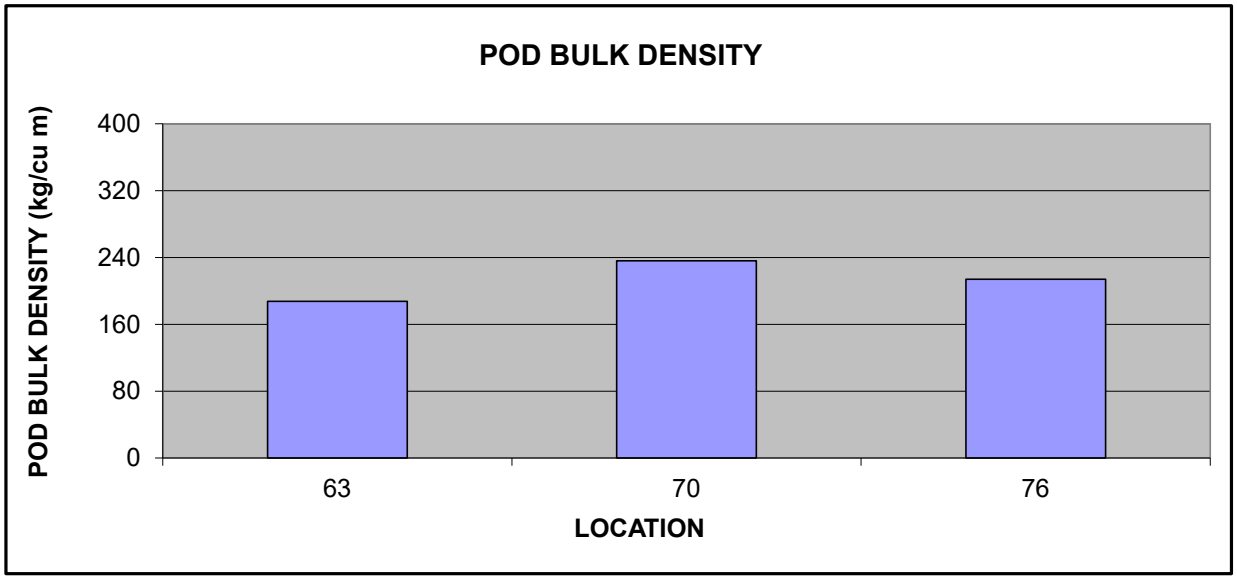
BULK	Kg	cm	Kg/m3
DENSITY	2.27	13.05	187.51

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.44	24.83	235.99

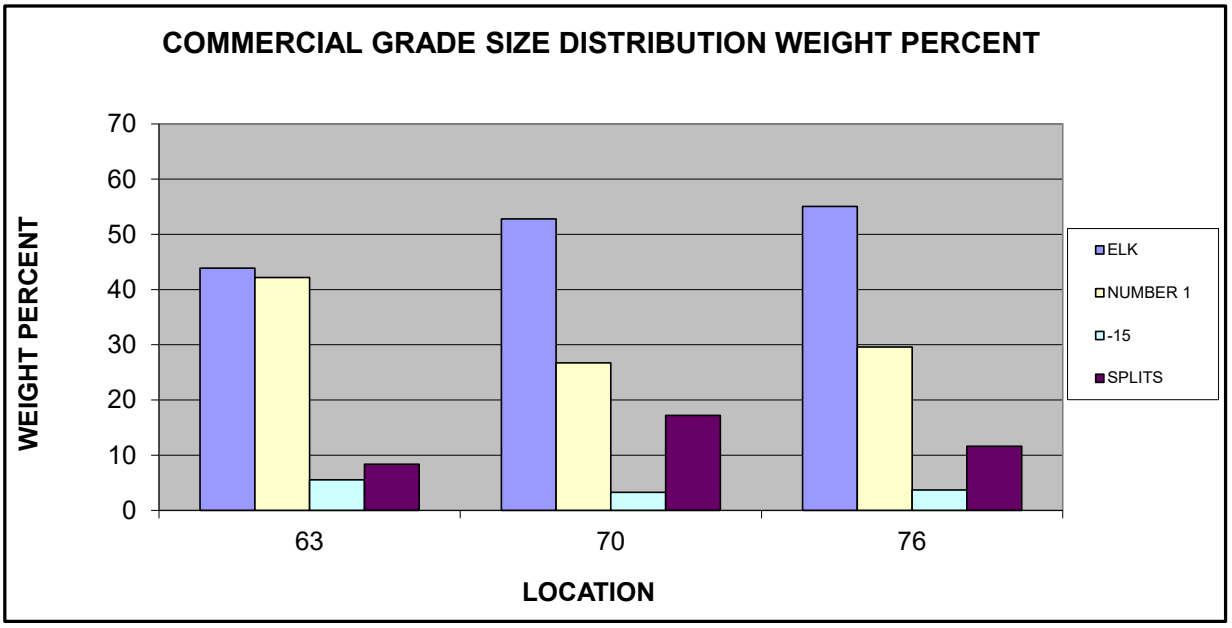
LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	5.15	25.93	213.86



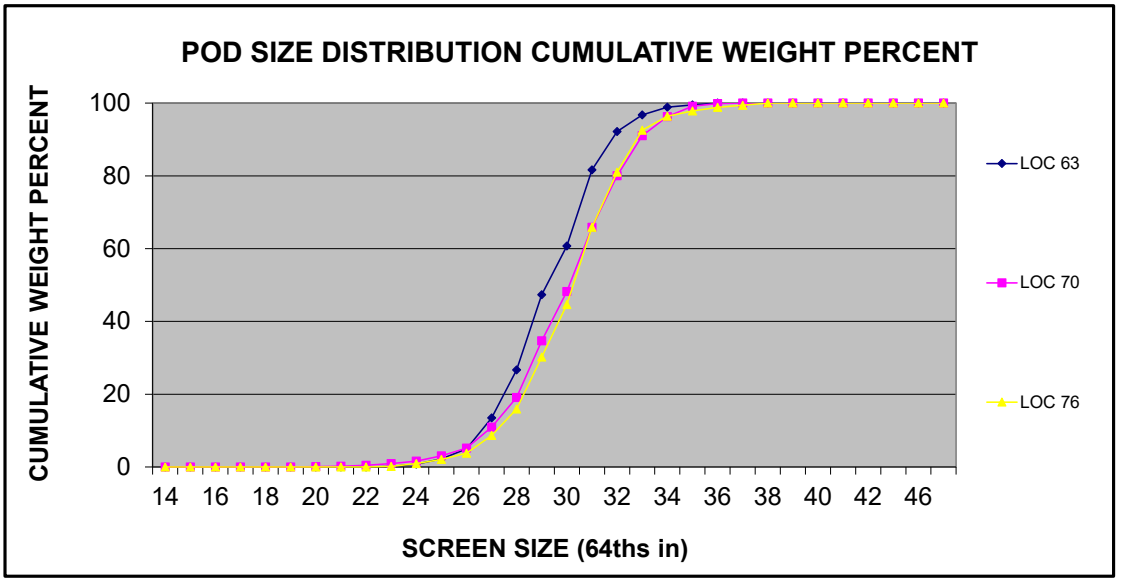
2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-3
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	43.90	JUMBO	52.80	JUMBO	55.07
NUMBER 1	42.20	NUMBER 1	26.73	NUMBER 1	29.58
-15	5.54	-15	3.25	-15	3.71
SPLITS	8.37	SPLITS	17.21	SPLITS	11.64



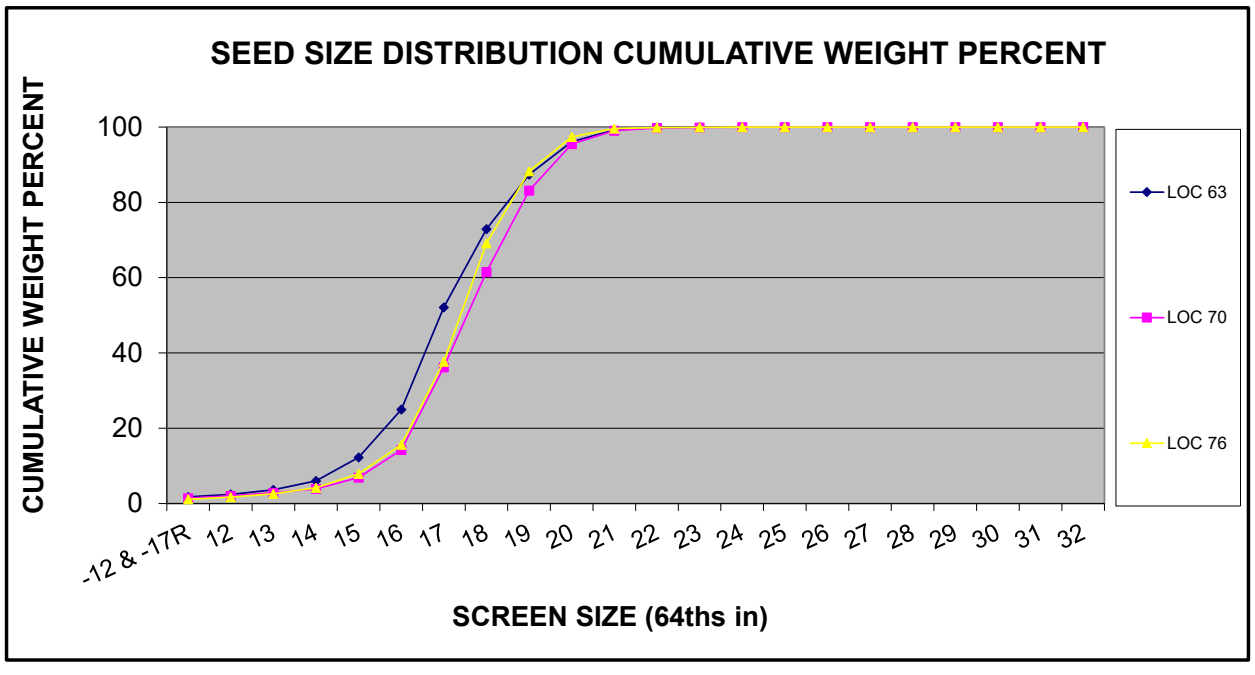
2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-3
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

	LOCATION		
SCREEN SIZE	63	70	76
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.00	0.07	0.00
21	0.00	0.20	0.00
22	0.00	0.45	0.00
23	0.14	0.91	0.16
24	0.78	1.61	0.91
25	2.23	3.06	2.07
26	4.99	5.18	3.77
27	13.46	10.92	8.66
28	26.68	19.08	15.92
29	47.32	34.67	30.21
30	60.70	48.20	44.65
31	81.65	65.86	65.85
32	92.18	80.03	81.00
33	96.74	91.06	92.56
34	98.88	96.31	96.38
35	99.52	99.14	97.83
36	100.00	99.86	98.82
37	100.00	100.00	99.40
38	100.00	100.00	100.00
39	100.00	100.00	100.00
40	100.00	100.00	100.00
41	100.00	100.00	100.00
42	100.00	100.00	100.00
44	100.00	100.00	100.00
46	100.00	100.00	100.00
48	100.00	100.00	100.00



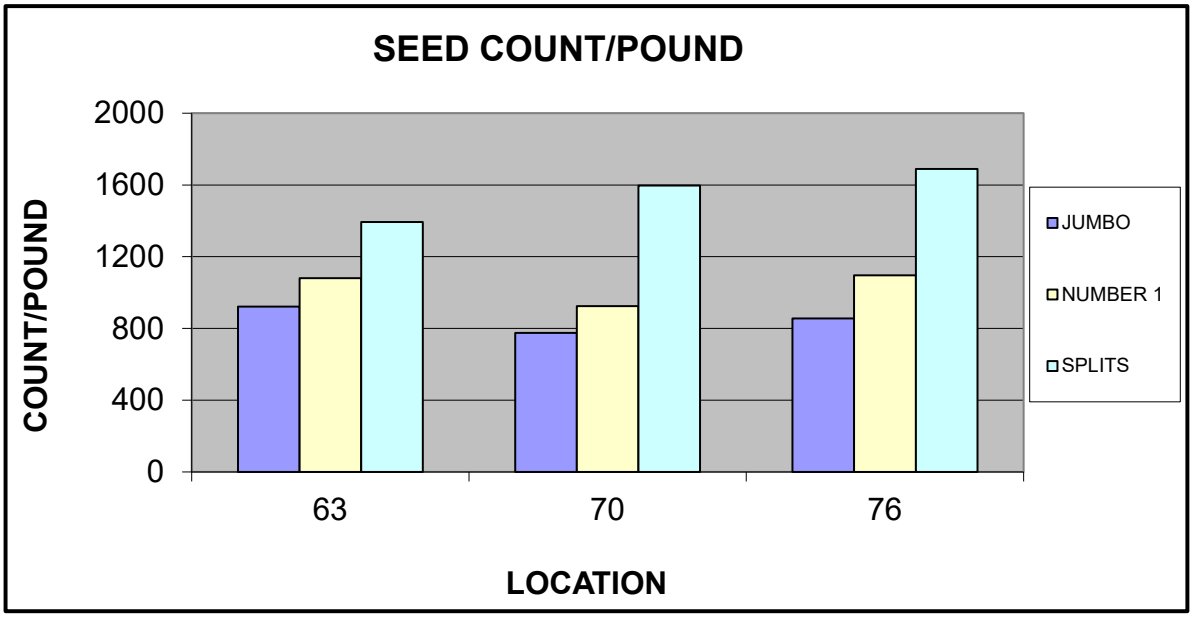
2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-3
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

Screen Size	LOCATION 63	70	76
-12 & -17R	1.78	1.44	1.13
12	2.45	2.02	1.71
13	3.65	2.87	2.57
14	6.04	3.93	4.20
15	12.27	6.90	7.87
16	24.97	14.27	15.61
17	52.09	36.22	37.68
18	72.89	61.52	69.12
19	87.37	83.14	88.27
20	96.10	95.52	97.40
21	99.21	99.03	99.58
22	99.89	99.74	99.90
23	100.00	99.90	99.92
24	100.00	99.97	100.00
25	100.00	100.00	100.00
26	100.00	100.00	100.00
27	100.00	100.00	100.00
28	100.00	100.00	100.00
29	100.00	100.00	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-3
SEED COUNT/POUND TABLE

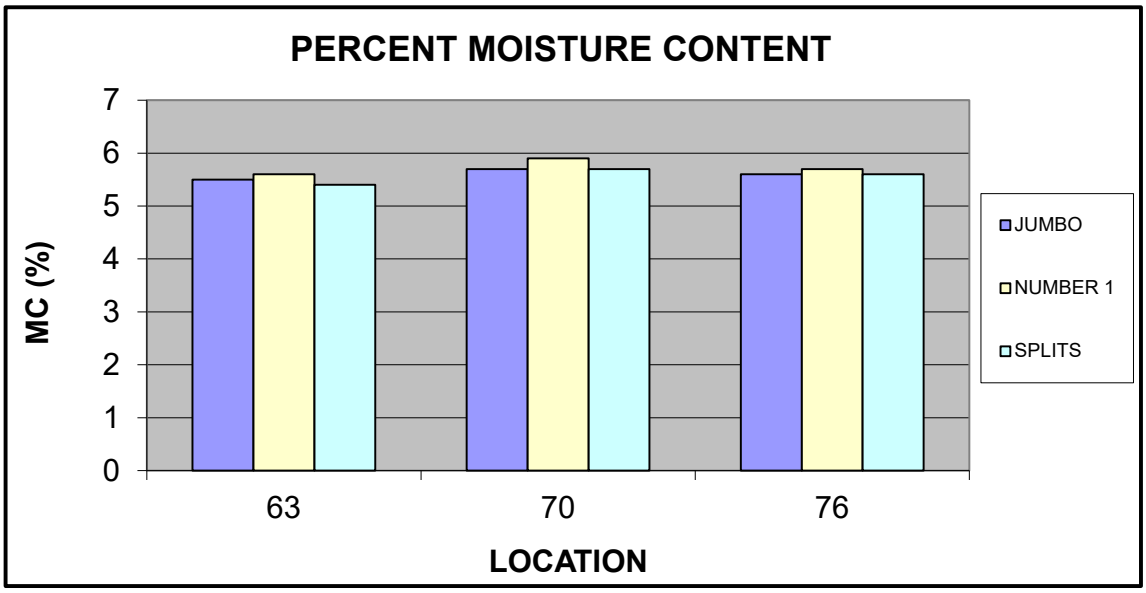
LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	922	JUMBO	775	JUMBO	855
NUMBER 1	1081	NUMBER 1	924	NUMBER 1	1096
SPLITS	1394	SPLITS	1597	SPLITS	1689



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-3
SEED MOISTURE CONTENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	5.5	JUMBO	5.7	JUMBO	5.6
NUMBER 1	5.6	NUMBER 1	5.9	NUMBER 1	5.7
SPLITS	5.4	SPLITS	5.7	SPLITS	5.6

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-3
Shelling Data

LOCATION 63 DATE: 2/27/2025

STAGE	GRATE		WEIGHT	TIME
1st	25	initial	2073.4	89 sec.
		grams shelled / min	1333.5	
2nd	22	unshelled	95.4	18 sec.
		grams shelled / min	318.0	
3rd				
4th				
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		2073.4	1.80 min.
	Total grams shelled / min		1151.9	
	HULLS		769.2	

LOCATION 70 DATE: 2/11/2025

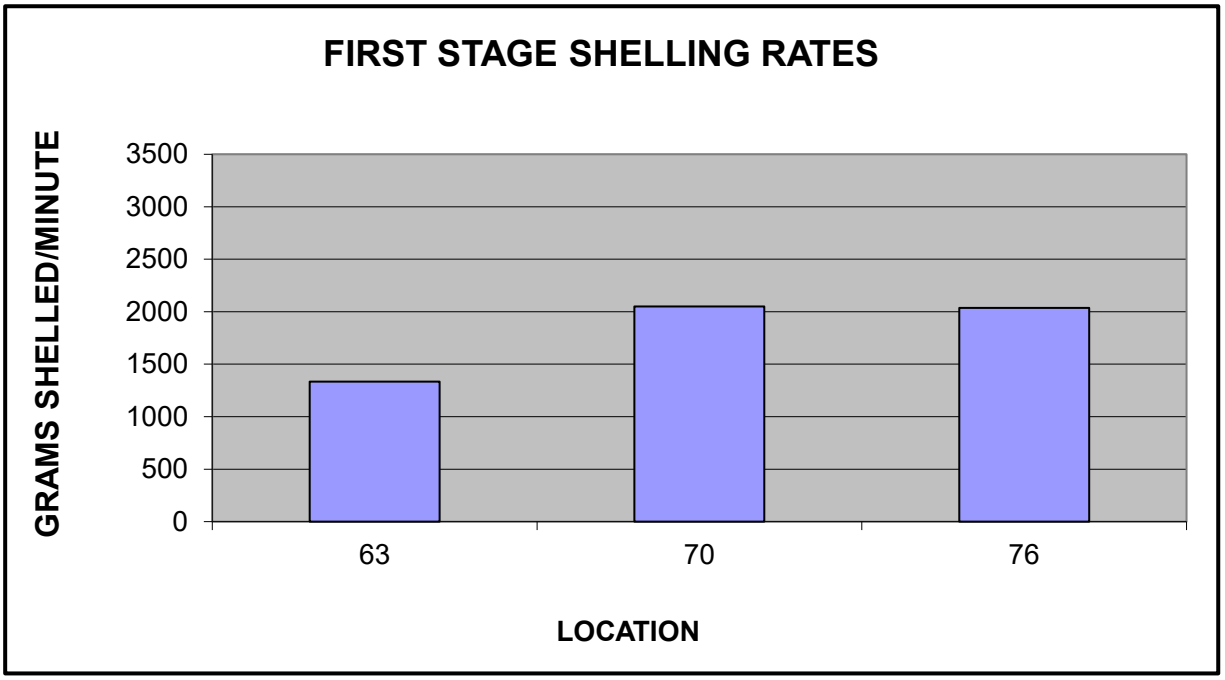
GRATE		WEIGHT	TIME
27	initial	5242.6	142 sec.
	grams shelled / min	2050.6	
24	unshelled	389.4	99 sec.
	grams shelled / min	193.6	
21	unshelled	70.0	88 sec.
	grams shelled / min	47.7	
Final grams unshelled		0.0	
Total grams shelled		5242.6	5.48 min.
Total grams shelled / min		956.1	
HULLS		1658.0	

LOCATION 76 DATE: 1/13/2025

STAGE	GRATE		WEIGHT	TIME
1st	25	initial	4950.8	138 sec.
		grams shelled / min	2035.5	
2nd	22	unshelled	269.2	21 sec.
		grams shelled / min	769.1	
3rd				
4th				
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		4950.8	2.67 min.
	Total grams shelled / min		1856.6	
	HULLS		1424.0	

2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-3
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	1333.5
70	2050.6
76	2035.5



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-4
POD BULK DENSITY TABLE

LOCATION 63

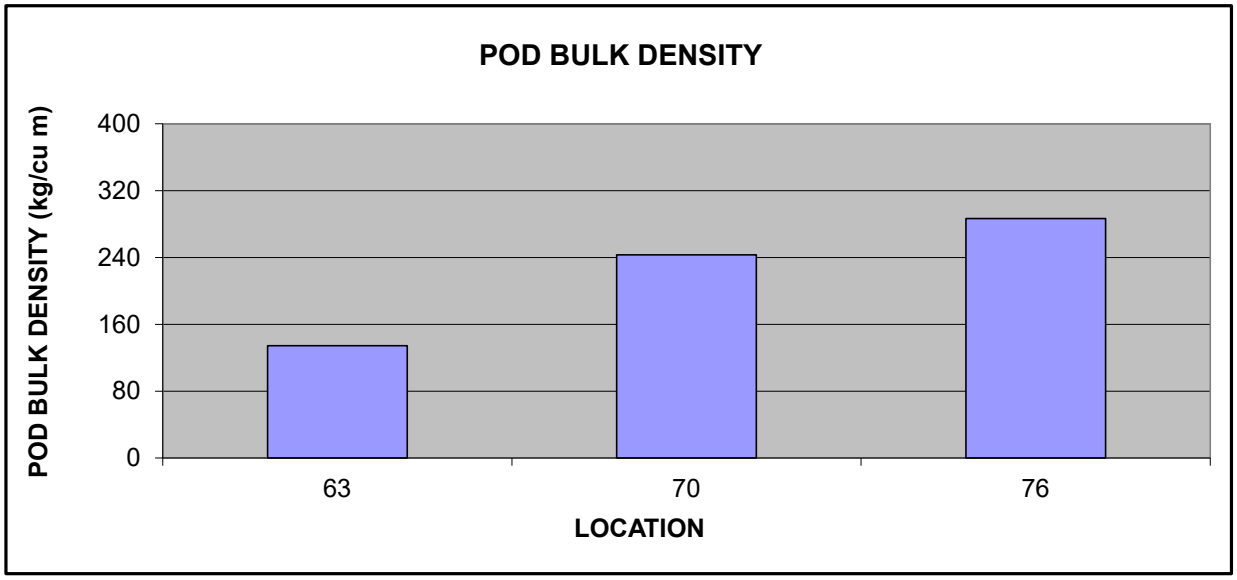
BULK	Kg	cm	Kg/m3
DENSITY	1.08	8.63	134.46

LOCATION 70

BULK	Kg	cm	Kg/m3
DENSITY	5.54	24.53	243.17

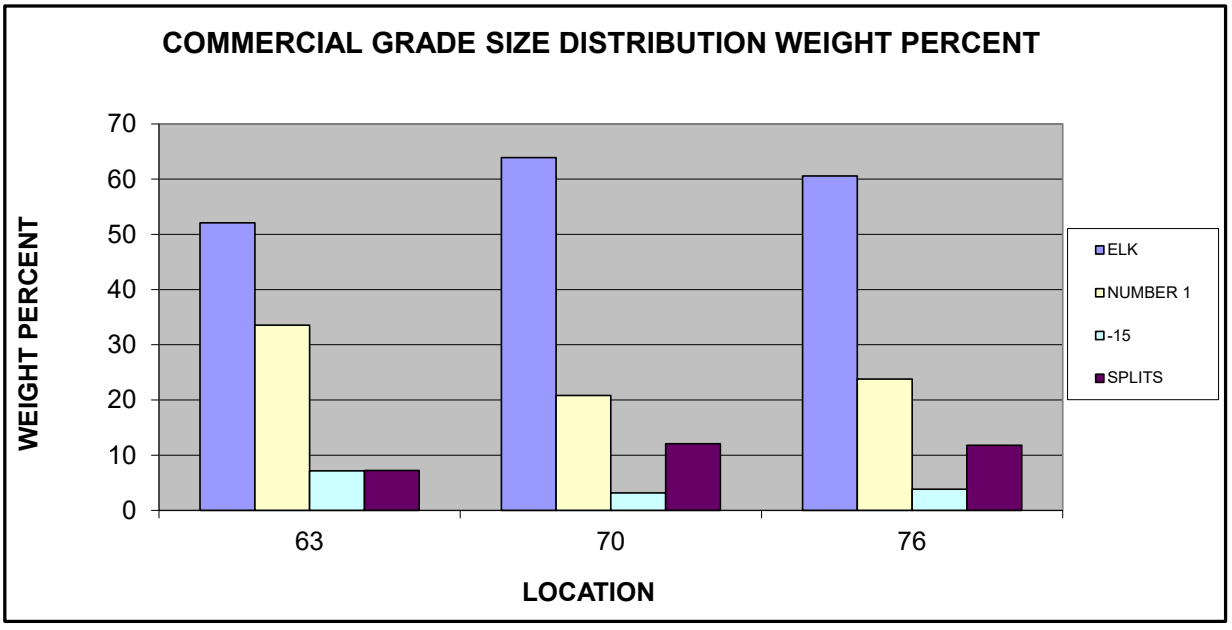
LOCATION 76

BULK	Kg	cm	Kg/m3
DENSITY	4.95	18.60	286.48



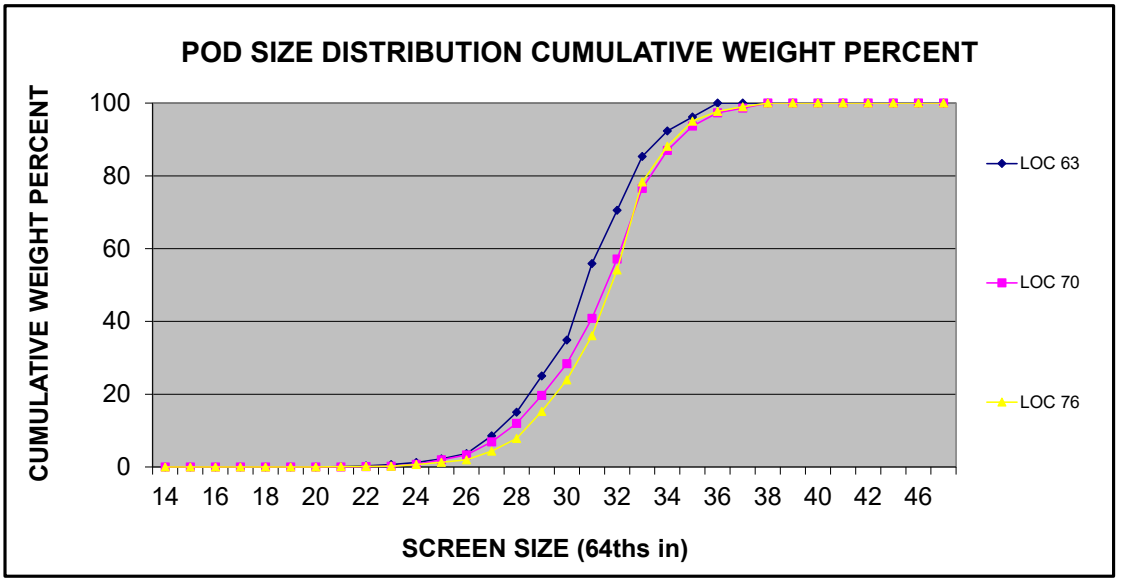
2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-4
COMMERCIAL GRADE SIZE WEIGHT PERCENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	52.07	JUMBO	63.92	JUMBO	60.56
NUMBER 1	33.53	NUMBER 1	20.81	NUMBER 1	23.78
-15	7.18	-15	3.17	-15	3.85
SPLITS	7.22	SPLITS	12.09	SPLITS	11.81



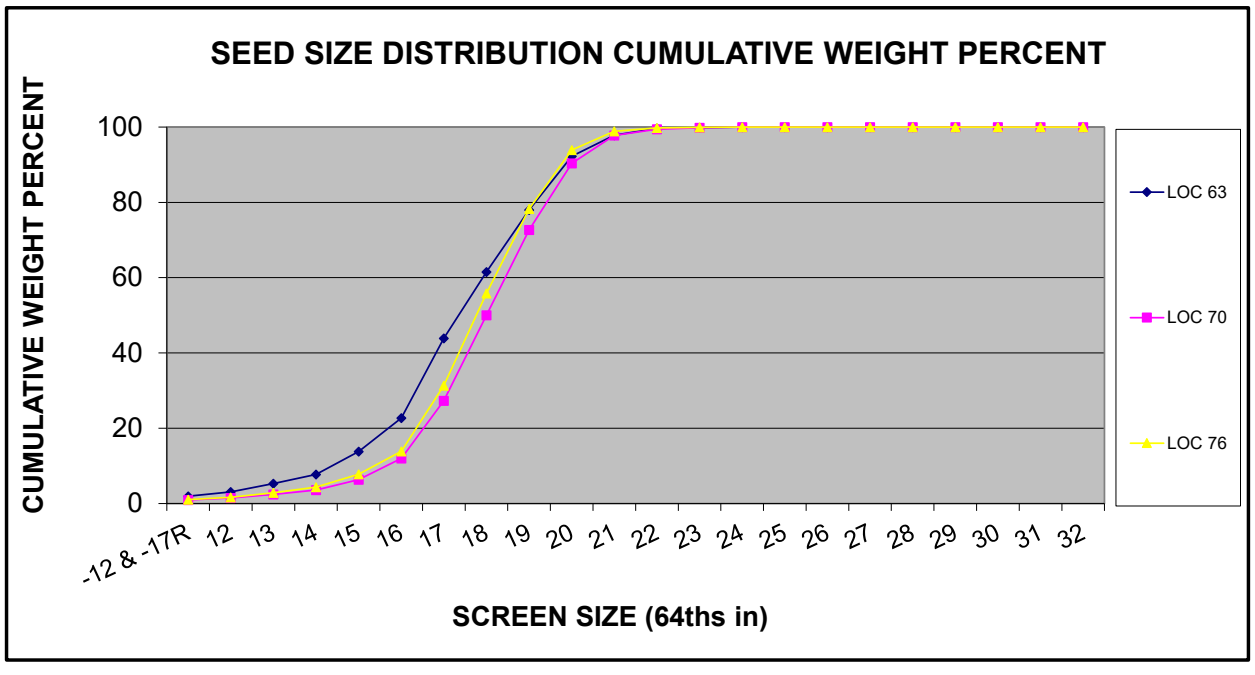
2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-4
POD SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

	LOCATION		
SCREEN SIZE	63	70	76
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.00	0.00	0.00
21	0.11	0.00	0.08
22	0.31	0.09	0.13
23	0.64	0.20	0.22
24	1.26	0.69	0.65
25	2.22	1.97	1.31
26	3.68	3.33	1.95
27	8.55	6.88	4.35
28	15.06	11.96	7.85
29	25.01	19.65	15.24
30	34.87	28.38	23.93
31	55.90	40.84	36.07
32	70.56	57.17	54.15
33	85.31	76.57	78.30
34	92.36	86.98	88.14
35	96.16	93.69	95.03
36	100.00	97.32	97.72
37	100.00	98.60	99.00
38	100.00	100.00	100.00
39	100.00	100.00	100.00
40	100.00	100.00	100.00
41	100.00	100.00	100.00
42	100.00	100.00	100.00
44	100.00	100.00	100.00
46	100.00	100.00	100.00
48	100.00	100.00	100.00



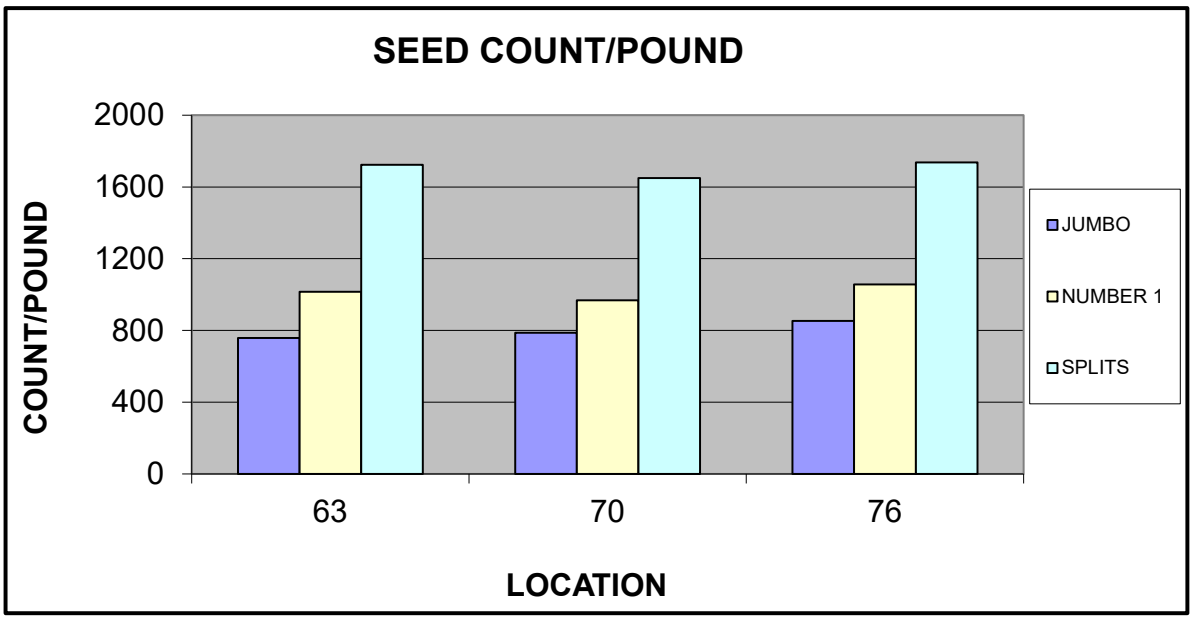
2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-4
SEED SIZE DISTRIBUTION CUMULATIVE WEIGHT PERCENT TABLE

Screen Size	LOCATION 63	70	76
-12 & -17R	1.95	0.96	1.06
12	3.07	1.48	1.66
13	5.30	2.44	2.86
14	7.74	3.61	4.36
15	13.80	6.35	7.80
16	22.70	11.99	13.89
17	43.88	27.29	31.33
18	61.50	50.03	55.80
19	77.96	72.68	78.27
20	92.26	90.35	93.89
21	97.80	97.77	98.88
22	99.65	99.43	99.76
23	99.84	99.82	99.96
24	100.00	100.00	100.00
25	100.00	100.00	100.00
26	100.00	100.00	100.00
27	100.00	100.00	100.00
28	100.00	100.00	100.00
29	100.00	100.00	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-4
SEED COUNT/POUND TABLE

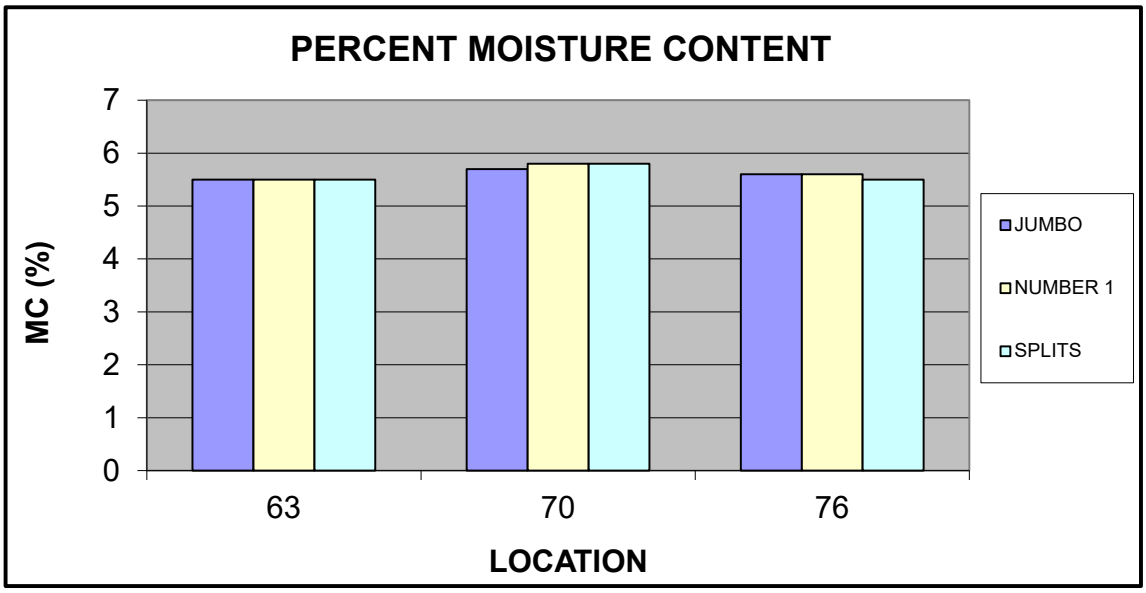
LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	759	JUMBO	787	JUMBO	853
NUMBER 1	1016	NUMBER 1	968	NUMBER 1	1057
SPLITS	1724	SPLITS	1649	SPLITS	1737



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-4
SEED MOISTURE CONTENT TABLE

LOCATION 63		LOCATION 70		LOCATION 76	
JUMBO	5.5	JUMBO	5.7	JUMBO	5.6
NUMBER 1	5.5	NUMBER 1	5.8	NUMBER 1	5.6
SPLITS	5.5	SPLITS	5.8	SPLITS	5.5

* NA INDICATES THAT THERE WAS NOT ENOUGH MATERIAL FOR THE MOISTURE METER TO READ



2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-4
Shelling Data

LOCATION 63 DATE: 2/27/2025

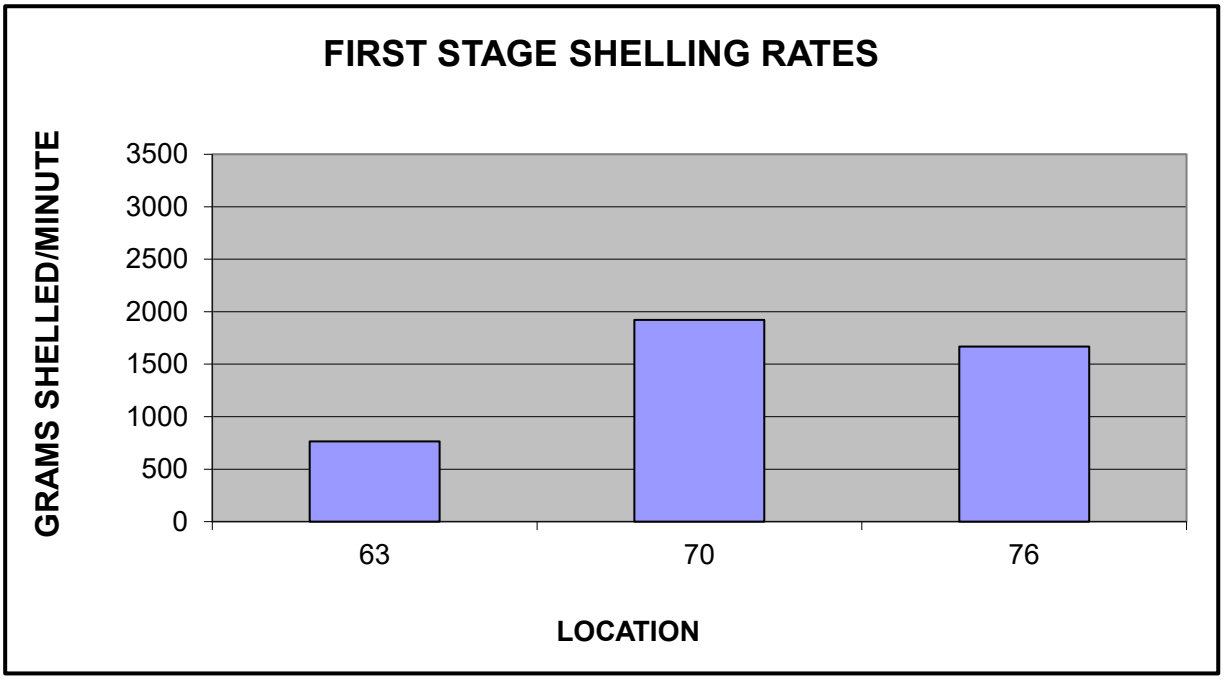
STAGE	GRATE		WEIGHT	TIME
1st	25	initial	877.4	65 sec.
		grams shelled / min	763.6	
2nd	22	unshelled	50.2	9 sec.
		grams shelled / min	334.7	
3rd				
4th				
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		877.4	1.27 min.
	Total grams shelled / min		692.7	
	HULLS		475.2	

LOCATION 70 DATE: 2/11/2025

GRATE		WEIGHT	TIME
25	initial	5340.4	162 sec.
	grams shelled / min	1921.9	
22	unshelled	151.2	25 sec.
	grams shelled / min	362.9	
Final grams unshelled		0.0	
Total grams shelled		5340.4	3.15 min.
Total grams shelled / min		1695.4	
HULLS		1665.4	

LOCATION 76 DATE: 1/14/2025

STAGE	GRATE		WEIGHT	TIME
1st	25	initial	4750.4	162 sec.
		grams shelled / min	1667.7	
2nd	22	unshelled	247.6	11 sec.
		grams shelled / min	1350.5	
3rd				
4th				
5th				
6th				
	Final grams unshelled		0.0	
	Total grams shelled		4750.4	2.92 min.
	Total grams shelled / min		1628.7	
	HULLS		1370.2	

2024 SouthWest Spanish / HybridS / Valencia UPPT
NM MO-4
FIRST STAGE SHELLING RATES

LOCATION	GRAMS SHELLED / MINUTE
63	763.6
70	1921.9
76	1667.7