



Winter Increases 2017-2018

Increase Location	Weight (lbs.)	Units 2018 Fall	Seed Source	MATR	Stage Name	2017 Test-Entry
Argentina	150	5400	QT inc	37	e34H608S	Strip
Argentina	20	720	QT inc	37	e37H937	CS383V7-14
Argentina	13	468	Pure Rows	45	e45H907	CS453Q7-08
Argentina	15	540	Pure rows	47	e47H997	CS453Q7-07
Argentina	40	1440	QT inc	48	c48H924	CS481Q7-27
Argentina	20	720	QT inc	49	e49H906	CS481Q7-32
Argentina	20	720	QT inc	51	e51H969	CS481Q7-31
Argentina	5	180	Pure Rows	49	e49H994	CS481Q7-15
Puert Rico	0.8	9	Pure Rows	41	e41H982S	CS422Q7-15



2017 Progeny Row Selections - MD

Type 2	36	39	43	46	49	51	Total
Moca/Ole	18	38	123	124	78	17	398
Moca/Ole/RS	18	6	28	37	16	2	107
Total	36	44	151	161	94	19	505

Selected from approximately 4,000 F3-F4 Progeny Rows



2018 Advance Yield Trials

Type 2	34	36	37	38	39	41	43	45	46	47	48	49	50	52	Total
MOCA/OLE	1	1	6	4	6	1	2	7	3	7	2	7	2	1	50
MOCA/OLE/RS									1		1		1		3
Total	1	1	6	4	6	1	2	7	4	7	3	7	3	1	53

Selected from approximately 600 Yield trial entries grown at 5 -7 locations



2017-2018 Winter Progeny

Typ2	36	43	49	Total
MOCA/OLE		824	540	1866
MOCA/OLE/RS	168		200	930
Total	168	824	740	2796

Selected from 15,000 F2-F3 Lab
screened plants in 2017 Spring



F2 Puerto Rico Nursery

Type 2	# Populations	% of total
Moca/Ole	141	22.5
Moca/Ole/RS	96	15.3

Some earlier maturity
Population included in the
count



F1 Puerto Rico Nursery

Type 2	# Populations	% of total
Moca/Ole	134	21.5
Moca/Ole/RS	80	12.8

Some earlier maturity
Population included in the
count



2017-2018 F3 Single plant Selections

Populations

Type 2	30	33	43	49	Total
MOCA/OLE	2	2	13	42	59
MOCA/OLE/RS				4	4
Total	2	2	13	46	63

Plants Type 2

Type 2	30	33	43	49	Total
MOCA/OLE	337	422	1826	6956	9541
MOCA/OLE/RS				476	476
Total	337	422	1826	7432	10017

Total of 63 Populations (10,017 individual plants) are be ran through the Marker Lab. We will analyze 51,000 data points in 5-7 genes to select individuals that carry the desired triats.