



2020 USTN Public Report* EO3-105 Organic										ALL LOCATIONS (4) IA_Wesley, OH_Apple Creek, OH_Wooster, WI_Troy Center					
Test	USTN#	Breeder	Experimental	Hybrid	Seed trt	CRMt	Traits	Native traits	Stature	In Top Tier?***	Yield % of			Test Weight	
											Mean	Yield	Y/M	Moisture	Weight
EO3-105	8009	AL	No	Viking O.46-02P	1r + SabrEx	102	None		Average	TOP	124	194	10.6	17.5	55.8
EO3-105	8007	AL	No	Viking O.85-00P	1r + SabrEx	100	None		Average	TOP	118	184	10.4	17.0	55.3
EO3-105	8010	AL	No	Viking O.51-04P	1r + SabrEx	104	None		Tall		114	179	9.8	18.0	55.1
EO3-105	8023	BRH	No	51T59	None	103	None	Ht	Average		114	179	10.1	17.7	55.5
EO3-105	8012	AL	No	Viking O.48-08P	1r + SabrEx	108	None		Tall		114	178	9.2	18.9	53.1
EO3-105	8008	AL	No	Viking O.69-01P	1r + SabrEx	101	None		Tall		113	177	9.5	18.8	54.8
EO3-105	8025	BRH	No	57A30	None	107	None	Ht	Tall		113	177	9.8	18.7	54.1
EO3-105	8027	BRH	No	64K93	None	111	None	Ht	Average		111	174	8.6	20.1	53.5
EO3-105	8022	BRH	No	48G35	None	102	None		Average		110	172	10.0	17.9	55.2
EO3-105	8024	BRH	No	54C27	None	105	None	Ht	Average		109	171	9.3	18.4	54.2
EO3-105	8011	AL	No	Viking O.18-06P	1r + SabrEx	106	None		Average		108	169	8.8	18.8	55.8
EO3-105	9012	CHK-ORG (BRH)	No	49K70	None	103	None		Average		107	167	8.5	20.4	55.0
EO3-105	8026	BRH	No	42C87	None	98	None		Average		103	162	9.5	17.2	53.8
EO3-105	8187	GEI	No	GEI 9010 ORG	None	95	None		Average		103	162	9.7	17.1	56.5
EO3-105	8188	GEI	No	GEI 9700 ORG	None	105	None		Average		103	161	9.2	18.0	55.8
EO3-105	8050	Mand	Yes	668*111	None	108	None	met lys	Average		86	134	6.8	20.4	55.4
EO3-105	8048	Mand	Yes	655*162	None	105	None	met lys	Average		85	133	7.0	20.4	54.4
EO3-105	8049	Mand	Yes	655*181	None	105	None	met lys	Average		85	132	7.3	19.4	54.5
EO3-105	8068	UWM	Yes	WEXOP-ORG 001	None	105	None				79	123	6.9	19.1	56.0
EO3-105	8047	Mand	Yes	2417*C2B2	None	108	None	met lys wc ner	Average		75	117	5.8	22.2	49.8
EO3-105	8046	Mand	Yes	142*219	None	108	None	met lys wc ner	Average		28	44	3.1	21.8	51.5
EO3-105		lsd05	SUMMARY STATISTICS**												
EO3-105		lsd25										25	1.9	1.5	1.8
EO3-105		locs									14	1.1	0.9	1.1	
EO3-105		mean									4	4	4	4	3
EO3-105		StdBlup									157	8.6	18.9	54.5	
EO3-105		StdGxe									34	1.9	1.5	1.7	
EO3-105		StdErr									2	0.9	0.7	0.8	
EO3-105		StdErrBlup									26	1.3	0.8	0.8	
EO3-105		cv									9	0.7	0.5	0.6	
EO3-105		r2_plot									17	15.1	4.4	1.5	
EO3-105		r2_blup									63	59.5	67.3	67.2	
EO3-105											94	88.6	89.5	87.1	

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2020 USTN Public Report* EO3-105 Organic										IA_Wesley							
Test	USTN#	Breeder	Experimental	Hybrid	Seed trt	CRMt	Traits	Native traits	Stature	Yield % of							
										Mean	Yield	Y/M	Moisture	Test Weight	Stalk Lodging %		
EO3-105	8009	AL	No	Viking O.46-02P	1r + SabrEx	102	None		Average	119	249	16.7	14.8	55.8	1		
EO3-105	8007	AL	No	Viking O.85-00P	1r + SabrEx	100	None		Average	115	239	16.3	14.7	56.7	10		
EO3-105	8010	AL	No	Viking O.51-04P	1r + SabrEx	104	None		Tall	111	231	15.0	15.3	55.3	28		
EO3-105	8023	BRH	No	51T59	None	103	None	Ht	Average	111	232	15.5	14.9	56.4	33		
EO3-105	8012	AL	No	Viking O.48-08P	1r + SabrEx	108	None		Tall	111	233	14.6	16.3	54.3	41		
EO3-105	8008	AL	No	Viking O.69-01P	1r + SabrEx	101	None		Tall	111	231	15.4	15.0	56.1	4		
EO3-105	8025	BRH	No	57A30	None	107	None	Ht	Tall	110	229	15.0	15.4	54.4	35		
EO3-105	8027	BRH	No	64K93	None	111	None	Ht	Average	108	226	13.3	16.7	54.3	21		
EO3-105	8022	BRH	No	48G35	None	102	None		Average	107	224	15.5	14.8	56.5	17		
EO3-105	8024	BRH	No	54C27	None	105	None	Ht	Average	107	223	14.1	15.7	55.7	45		
EO3-105	8011	AL	No	Viking O.18-06P	1r + SabrEx	106	None		Average	108	225	14.4	15.5	57.3	5		
EO3-105	9012	CHK-ORG (BRH)	No	49K70	None	103	None		Average	105	218	13.1	16.7	57.7	20		
EO3-105	8026	BRH	No	42C87	None	98	None		Average	103	215	14.9	14.7	54.5	53		
EO3-105	8187	GEI	No	GEI 9010 ORG	None	95	None		Average	102	214	14.5	14.7	57.4	37		
EO3-105	8188	GEI	No	GEI 9700 ORG	None	105	None		Average	103	215	14.8	14.7	57.5	2		
EO3-105	8050	Mand	Yes	668*111	None	108	None	met lys	Average	89	186	11.2	16.9	55.9	6		
EO3-105	8048	Mand	Yes	655*162	None	105	None	met lys	Average	87	183	10.7	16.6	55.0	25		
EO3-105	8049	Mand	Yes	655*181	None	105	None	met lys	Average	87	182	10.9	16.8	55.2	45		
EO3-105	8068	UWM	Yes	WEXOP-ORG 001	None	105	None			83	174	10.8	16.3	56.2	24		
EO3-105	8047	Mand	Yes	2417*C2B2	None	108	None	met lys wc ner	Average	80	168	8.7	19.6	48.6	15		
EO3-105	8046	Mand	Yes	142*219	None	108	None	met lys wc ner	Average	43	90	4.7	18.9	48.6	1		
EO3-105		lsd05	SUMMARY STATISTICS**										26	2.2	1.3	2.1	
EO3-105		lsd25											15	1.3	0.7	1.2	
EO3-105		locs															
EO3-105		mean											209	13.3	16.0	55.2	
EO3-105		StdBlup											36	2.9	1.4	2.5	
EO3-105		StdGxe															
EO3-105		StdErr											10	0.7	0.5	0.8	
EO3-105		StdErrBlup											9	0.8	0.5	0.8	
EO3-105		cv											5	5.6	3.4	1.5	
EO3-105		r2_plot											93	94.0	87.0	89.8	
EO3-105		r2_blup											94	93.6	90.7	91.6	

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2020 USTN Public Report* EO3-105 Organic										OH_Apple Creek						
Test	USTN#	Breeder	Experimental	Hybrid	Seed trt	CRMt	Traits	Native traits	Stature	Yield % of		Y/M	Moisture	Test Weight	Stalk Lodging %	
										Mean	Yield					
EO3-105	8009	AL	No	Viking O.46-02P	1r + SabrEx	102	None		Average	118	251	12.8	19.2	56.9	2	
EO3-105	8007	AL	No	Viking O.85-00P	1r + SabrEx	100	None		Average	114	241	12.8	18.7	56.3	4	
EO3-105	8010	AL	No	Viking O.51-04P	1r + SabrEx	104	None		Tall	112	237	12.0	19.7	56.2	9	
EO3-105	8023	BRH	No	51T59	None	103	None	Ht	Average	111	236	12.0	19.5	56.5	8	
EO3-105	8012	AL	No	Viking O.48-08P	1r + SabrEx	108	None		Tall	111	235	11.5	20.2	54.2	2	
EO3-105	8008	AL	No	Viking O.69-01P	1r + SabrEx	101	None		Tall	110	234	11.6	20.6	55.9	1	
EO3-105	8025	BRH	No	57A30	None	107	None	Ht	Tall	110	233	11.8	20.2	55.2	2	
EO3-105	8027	BRH	No	64K93	None	111	None	Ht	Average	109	232	10.7	21.8	54.7	2	
EO3-105	8022	BRH	No	48G35	None	102	None		Average	108	228	12.1	19.3	56.3	3	
EO3-105	8024	BRH	No	54C27	None	105	None	Ht	Average	107	228	11.4	20.0	55.3	7	
EO3-105	8011	AL	No	Viking O.18-06P	1r + SabrEx	106	None		Average	106	224	10.7	20.7	56.9	3	
EO3-105	9012	CHK-ORG (BRH)	No	49K70	None	103	None		Average	105	222	10.2	22.0	56.1	2	
EO3-105	8026	BRH	No	42C87	None	98	None		Average	103	218	11.7	18.7	55.0	2	
EO3-105	8187	GEI	No	GEI 9010 ORG	None	95	None		Average	102	216	11.6	18.8	57.6	4	
EO3-105	8188	GEI	No	GEI 9700 ORG	None	105	None		Average	102	216	10.9	19.9	56.9	2	
EO3-105	8050	Mand	Yes	668*111	None	108	None	met lys	Average	89	190	8.7	21.9	56.5	1	
EO3-105	8048	Mand	Yes	655*162	None	105	None	met lys	Average	89	188	8.6	22.1	55.5	1	
EO3-105	8049	Mand	Yes	655*181	None	105	None	met lys	Average	88	186	8.9	20.8	55.6	3	
EO3-105	8068	UWM	Yes	WEXOP-ORG 001	None	105	None			83	177	8.6	20.4	57.0	34	
EO3-105	8047	Mand	Yes	2417*C2B2	None	108	None	met lys wc ner	Average	80	170	7.2	23.1	51.1	1	
EO3-105	8046	Mand	Yes	142*219	None	108	None	met lys wc ner	Average	44	92	4.1	22.9	52.8	1	
EO3-105		lsd05	SUMMARY STATISTICS**									26	1.6	1.3	1.2	
EO3-105		lsd25										15	0.9	0.7	0.7	
EO3-105		locs														
EO3-105		mean										212	10.5	20.5	55.6	
EO3-105		StdBlup										36	2.1	1.4	1.5	
EO3-105		StdGxe														
EO3-105		StdErr										9	0.6	0.7	0.7	
EO3-105		StdErrBlup										9	0.6	0.4	0.4	
EO3-105		cv										4	5.3	3.2	1.3	
EO3-105		r2_plot										94	93.8	81.0	81.8	
EO3-105		r2_blup										94	93.8	91.1	93.0	

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2020 USTN Public Report* EO3-105 Organic										OH_Wooster							
Test	USTN#	Breeder	Experimental	Hybrid	Seed trt	CRMt	Traits	Native traits	Stature	Yield % of		Y/M	Moisture	Test Weight	Stalk Lodging %		
										Mean	Yield						
EO3-105	8009	AL	No	Viking O.46-02P	1r + SabrEx	102	None		Average	110	151	7.5	19.5	54.8	5		
EO3-105	8007	AL	No	Viking O.85-00P	1r + SabrEx	100	None		Average	108	148	7.6	19.3	53.1	3		
EO3-105	8010	AL	No	Viking O.51-04P	1r + SabrEx	104	None		Tall	118	161	7.8	20.6	53.7	28		
EO3-105	8023	BRH	No	51T59	None	103	None	Ht	Average	113	155	7.4	20.5	53.7	8		
EO3-105	8012	AL	No	Viking O.48-08P	1r + SabrEx	108	None		Tall	107	147	6.9	21.9	50.6	9		
EO3-105	8008	AL	No	Viking O.69-01P	1r + SabrEx	101	None		Tall	107	146	6.7	21.7	52.8	4		
EO3-105	8025	BRH	No	57A30	None	107	None	Ht	Tall	114	156	7.3	21.6	52.4	3		
EO3-105	8027	BRH	No	64K93	None	111	None	Ht	Average	117	160	6.9	23.9	51.5	2		
EO3-105	8022	BRH	No	48G35	None	102	None		Average	111	152	7.7	19.7	53.1	5		
EO3-105	8024	BRH	No	54C27	None	105	None	Ht	Average	111	151	7.2	20.9	51.7	5		
EO3-105	8011	AL	No	Viking O.18-06P	1r + SabrEx	106	None		Average	91	125	5.6	21.8	53.8	5		
EO3-105	9012	CHK-ORG (BRH)	No	49K70	None	103	None		Average	107	147	6.2	23.9	51.9	2		
EO3-105	8026	BRH	No	42C87	None	98	None		Average	102	139	7.1	19.5	51.8	11		
EO3-105	8187	GEI	No	GEI 9010 ORG	None	95	None		Average	100	136	6.9	19.5	55.2	14		
EO3-105	8188	GEI	No	GEI 9700 ORG	None	105	None		Average	92	125	5.7	21.4	53.7	5		
EO3-105	8050	Mand	Yes	668*111	None	108	None	met lys	Average	93	128	5.5	23.6	54.0	10		
EO3-105	8048	Mand	Yes	655*162	None	105	None	met lys	Average	99	135	5.7	23.4	52.6	4		
EO3-105	8049	Mand	Yes	655*181	None	105	None	met lys	Average	91	124	5.6	22.6	52.7	19		
EO3-105	8068	UWM	Yes	WEXOP-ORG 001	None	105	None			84	115	5.4	20.9	54.9	49		
EO3-105	8047	Mand	Yes	2417*C2B2	None	108	None	met lys wc ner	Average	80	109	4.5	26.0	48.2	2		
EO3-105	8046	Mand	Yes	142*219	None	108	None	met lys wc ner	Average	48	65	2.6	24.7	51.4	6		
EO3-105		lsd05	SUMMARY STATISTICS**									31	1.5	1.8	1.5		
EO3-105		lsd25										18	0.8	1.1	0.9		
EO3-105		locs															
EO3-105		mean											137	6.4	21.8	52.7	
EO3-105		StdBlup											24	1.3	2.0	1.7	
EO3-105		StdGxe															
EO3-105		StdErr											25	1.1	0.9	0.7	
EO3-105		StdErrBlup											11	0.5	0.6	0.5	
EO3-105		cv											18	18.0	4.3	1.2	
EO3-105		r2_plot											49	57.6	81.8	86.7	
EO3-105		r2_blup											83	86.9	90.3	90.8	

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2020 USTN Public Report* EO3-105 Organic										WI_Troy Center						
Test	USTN#	Breeder	Experimental	Hybrid	Seed trt	CRMt	Traits	Native traits	Stature	Yield % of		Stalk		Root		
										Mean	Yield	Y/M	Moisture	Lodging %	Lodging %	
EO3-105	8009	AL	No	Viking O.46-02P	1r + SabrEx	102	None		Average	123	84	5.3	15.8	1	2	
EO3-105	8007	AL	No	Viking O.85-00P	1r + SabrEx	100	None		Average	117	81	5.4	14.8	4	5	
EO3-105	8010	AL	No	Viking O.51-04P	1r + SabrEx	104	None		Tall	101	70	4.2	16.1	1	6	
EO3-105	8023	BRH	No	51T59	None	103	None	Ht	Average	106	73	4.6	15.3	1	14	
EO3-105	8012	AL	No	Viking O.48-08P	1r + SabrEx	108	None		Tall	112	77	4.5	16.8	8	9	
EO3-105	8008	AL	No	Viking O.69-01P	1r + SabrEx	101	None		Tall	111	77	4.7	18.0	7	5	
EO3-105	8025	BRH	No	57A30	None	107	None	Ht	Tall	103	71	4.4	17.5	16	2	
EO3-105	8027	BRH	No	64K93	None	111	None	Ht	Average	97	67	3.8	18.6	9	4	
EO3-105	8022	BRH	No	48G35	None	102	None		Average	101	70	4.2	17.6	3	21	
EO3-105	8024	BRH	No	54C27	None	105	None	Ht	Average	102	70	4.2	16.8	1	18	
EO3-105	8011	AL	No	Viking O.18-06P	1r + SabrEx	106	None		Average	122	83	5.1	17.1	4	5	
EO3-105	9012	CHK-ORG (BRH)	No	49K70	None	103	None		Average	101	69	4.0	19.5	3	0	
EO3-105	8026	BRH	No	42C87	None	98	None		Average	103	71	4.5	15.1	2	18	
EO3-105	8187	GEI	No	GEI 9010 ORG	None	95	None		Average	104	72	4.9	14.8	3	4	
EO3-105	8188	GEI	No	GEI 9700 ORG	None	105	None		Average	113	78	5.1	15.4	1	10	
EO3-105	8050	Mand	Yes	668*111	None	108	None	met lys	Average	88	60	3.0	19.9	5	7	
EO3-105	8048	Mand	Yes	655*162	None	105	None	met lys	Average	80	55	2.8	19.9	2	8	
EO3-105	8049	Mand	Yes	655*181	None	105	None	met lys	Average	87	60	3.5	17.6	1	33	
EO3-105	8068	UWM	Yes	WEXOP-ORG 001	None	105	None			87	60	3.1	18.9	6	16	
EO3-105	8047	Mand	Yes	2417*C2B2	None	108	None	met lys wc ner	Average	86	59	2.9	21.1	2	16	
EO3-105	8046	Mand	Yes	142*219	None	108	None	met lys wc ner	Average	54	37	1.5	21.5	5	9	
EO3-105		lsd05	SUMMARY STATISTICS**									16	1.5	1.9		
EO3-105		lsd25										10	0.9	1.1		
EO3-105		locs														
EO3-105		mean										69	4.1	17.5		
EO3-105		StdBlup										12	1.1	2.1		
EO3-105		StdGxe														
EO3-105		StdErr										31	1.9	1.0		
EO3-105		StdErrBlup										6	0.5	0.7		
EO3-105		cv										45	47.4	5.7		
EO3-105		r2_plot										13	24.4	81.3		
EO3-105		r2_blup										81	80.7	90.6		

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