

2018-19 ICIA CORN TRAIT TESTING MATRIX

COMMERCIAL NAME	TRAIT TEST REQUEST CODES	EVENTS
MONSANTO TRAITS		
Roundup Ready	RR	NK603
Roundup Ready/LibertyLink	RR, LL	NK603xT25
VT Double PRO	RR, TP2AB2	MON89034xNK603
DroughtGard VT Double PRO	RR, TP2AB2, DGARD	MON89034xMON87460xNK603
VT Triple PRO	RR, TP2AB2, TPRW	MON89034xMON88017xNK603
DroughtGard VT Triple PRO	RR, TP2AB2, TPRW, DGARD	MON89034xMON88017xMON87460xNK603
Trecepta	RR, TP2AB2, VIP3A	MON89034xMIR162xNK603
SmartStax	RR, LL, HXCB, HXRW, TP2AB2, TPRW	TC1507x59122xMON89034xMON88017xNK603
SYNGENTA TRAITS		
Agrisure GT	RR	GA21
Agrisure 3010 (GT/CB/LL)	RR, LL*	Bt11xGA21
Agrisure 3000GT/Artesian 3011A	RR, LL*, AGRW	Bt11xMIR604xGA21
Agrisure Viptera 3110	RR, LL*, VIP3A	Bt11xMIR162xGA21
Agrisure Viptera 3111	RR, LL*, AGRW, VIP3A	Bt11xMIR162xMIR604xGA21
Agrisure Viptera 3220	RR, LL*, HXCB, VIP3A	Bt11xMIR162xTC1507xGA21
Agrisure 3120	RR, LL*, HXCB	Bt11xTC1507xGA21
Agrisure 3122	RR, LL*, HXCB, AGRW, HXRW	Bt11xTC1507xMIR604x59122xGA21
Agrisure Duracade 5122	RR, LL*, HXCB, AGRW, DURA	Bt11xTC1507xMIR604x5307xGA21
Agrisure Duracade 5222	RR, LL*, HXCB, AGRW, VIP3A, DURA	Bt11xTC1507xMIR604xMIR162x5307xGA21
CORTEVA TRAITS		
Enlist	ENLIST	DAS40278
Herculex I	LL, HXCB	TC1507
Herculex I/RR2	RR, LL, HXCB	TC1507xNK603
Herculex RW/RR2	RR, LL, HXRW	59122xNK603
Herculex Xtra	LL, HXCB, HXRW	TC1507x59122
Herculex Xtra/RR2	RR, LL, HXCB, HXRW	TC1507x59122xNK603
PowerCore Enlist	ENLIST, RR, LL, HXCB, TP2AB2	TC1507xNK603xDAS40278xMON89034
BASF TRAITS		
LibertyLink	LL	T25

LL* - Agrisure CB/LL with 2 seed AGCB confirmation, the report will only show the Liberty result.
Please Indicate "Agrisure product" in Special Instructions on sample bag or label.

Please send a minimum of 2 lbs of seed per sample

TEST DECODER			ICIA SEEDS/TEST FOR TRAIT PURITY				
TEST CODE	EVENT	GENE/ PROTEIN	Bulk Lots or Finished w/no Bulk test	Max Allowed Negative Seeds	Finished Lots- Passing Bulk	Max Allowed Negative Seeds	Min Trait Confirmation %
RR	NK603	cp4 epsps	400	*	400	*	98%
RR	GA21	mepsps	400	*	400	*	96%-98%**
ENLIST	DAS40278	aad-1	400	*	400	*	98%
LL	T25	pat	400	*	400	*	96%
AGCB	Bt11	cry1Ab.pat	N/A	N/A	N/A	N/A	N/A
HXCB	TC1507	cry1F.pat	90	3	N/A	N/A	96.5%
AGRW	MIR604	mcry3A	90	3	30	1	96.5%
TPRW	MON88017	cry3Bb1 cp4	90	3	30	1	96.5%
HXRW	(DAS) 59122	cry34Ab1 cry35Ab1	90	3	N/A	N/A	96.5%
TP2AB2	MON89034	cry2Ab2 cry1A.105	90	3	30	1	96.5%
DGARD	MON87460	cspB	90	3	30	1	96.5%
DURA	5307	ecry3.1Ab	90	3	30	1	96.5%
VIP3A	MIR162	vip3Aa20	90	3	30	1	96.5%

* Maximum number of allowed negative seeds is determined by the total number of seeds that germinated normally out of 400 seeds planted.

**RR (GA21) - Agrisure GT Male donated trait min = 96%; Female donated trait = 98%

30 seed test failure should be followed with an additional 90 seed(plant) progressive test.
At 120 seeds(plants) ≤ 4 negatives would achieve a passing result.

Bulk testing generally compliments but does not replace finished lot testing unless otherwise indicated. Finished lot testing at the reduced sample size is acceptable only with a passing bulk lot score.