

GMO TESTING

GMO Screen - Below are standard GMO screening packages for the indicated crop/grain types. Additional events may be added to the appropriate GMO screen from the **Event Specific** List for an additional fee. Standard Turn around time is 5 days.

TESTING ITEMS	Events included in screen
Corn	P35S and TNOS (Detects all GM corn events commercialized in NA) Non-GMO Project (NGP) (P35S, GA21, MIR604, and MIR162) Recommended
Soy	Non-GMO Project (NGP) GMO Screen (P35S and MON89788)
Cotton	P35S, TNOS, Pat, GHB614
Canola	P35S, TNOS, Ctp2-cp4epsps
Rice	35Sbar only 35Sbar and TNOS
Alfalfa	Ctp2-cp4epsps
Bentgrass	P35S and TNOS
Flax	P35S, TNOS, and ctp2cp4 epsps FP967-CDC Triffid
Potato	P35s and TNOS
Potato	Construct 1 (pSIM1278) screen (detects all Innate varieties)
Sorghum*	P35S ,TNOS and ctp2cp4 epsps
Wheat/Barley*	P35S ,TNOS and ctp2cp4 epsps

Food Products, oil, and processed products must contain ingredients derived from crop/grain at risk for GMO contamination. Viable DNA may not be detected in highly processed products. Recommended analysis and associated cost dependant on ingredients.

For seeds or whole grains please submit the indicated amounts from the table below; for meals/flours/processed products please submit at least 500g

- Alfalfa (10,000 seeds) = 50g
- Bentgrass (10,000 seeds) = 10g
- Canola (10,000 seeds) = 100 g
- Corn grain (10,000 seeds) = 3.6kg or 8 pounds
- Cotton (3,000 seeds) = 500g
- Flax (40,000 seeds)= 2.5kg
- Rice (30,000 grains) = 1 kg
- Sorghum (3,000 seeds) = 250g
- Soybeans (10,000 seeds) = 2.5kg or 5.5 pounds
- Wheat/Barley (10,000 seeds) = 500g

**Non-GMO Project Approved
ISO 17025 Accredited**

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Event Specific - Below are GMO events for the indicated crop/grain types. Additional events may be added to one of the **GMO screens** from the Event Specific List charged at the indicated rate (fee is USD). If no Screen is performed the minimum fee will apply (includes 2 events). Turn around time is 5 days.

Canola					
	Qualitative ¹		Quantitative ²		
HCN92(Topas19/2)	Innovator	Oxy235	Navigator	RT200	RoundUp Ready (Restricted)
MON88302	TruFlex RoundUp Ready	RF1	InVigor/SeedLink	RT73	Genuity Roundup Ready
MS1	InVigor/SeedLink	RF2	InVigor/SeedLink	T45	LibertyLink
MS8	InVigor/SeedLink	RF3	InVigor/SeedLink		
Corn					
	Qualitative ¹		Quantitative ²		
Bt11	Agrisure CB/LL	GA21	Agrisure GT	MON88017	YieldGard VT
Bt-176	NatureGard/Knockout	MIR162	Agrisure Viptera	MON89034	YieldGard VT Pro
		MIR604	Agrisure RW	NK603	Roundup Ready 2
DAS-40278-9	Enlist Corn	Mon810	YieldGard	Syn5307-1	Agrisure Duracade
DAS-59122-7	Herculex RW	MON863	YieldGard Corn RW	T25	LibertyLink
DP 98140-6	Optimum GAT	MON 87427	Roundup Ready	TC1507	Herculex I
ES3272	Enogen Corn Amylase	MON87460	DroughtGuard		
Soy					
	Qualitative ¹		Quantitative ²		
A2704-12	LibertyLink	DP305423	Treus/HOS	MON87705	OmniSoy, VistiveGold
A5547-127	LibertyLink	DP356043	Optimum GAT	MON87708	Dicamba
CV127	Cultivance	FG72	Balance GT	MON87769	Omega-3
DAS 68416-4	Enlist	GTS 40-3-2	Roundup Ready	MON89788	Genuity Roundup Ready2
DAS 44406-6	Enlist	MON87701	Bt Soy/Intacta		
Cotton					
	Qualitative ¹		Quantitative ²		
DAS21023-5x24236-5	Widestrike	MON1445	Roundup Ready	MON531	Bollgard
GHB614	GlyTol	MON15985	Genuity Bollgard II	MON88913	Genuity Roundup Ready Flex
LLCotton25	LibertyLink				
Potato					
	Qualitative ¹		Quantitative ²		
Event-specific testing for Innate potato events available upon request					

P35S = LibertyLink

1. Qual. - Qualitative Results are given as Detected or Not Detected (N.D.)

2. Quant. - Quantitative results are reported as a Percentage of GMO found or (N.D.)

* Semi-Quantitative results may be available depending on product (requires at least 1 negative replicate)