



**PROTERRA STANDARD V 4.0 - APPENDIX A**  
**LIST OF COMMERCIALISED GM CROPS AND THEIR DERIVATIVES**

## APPENDIX A:

### LIST OF COMMERCIALISED GM CROPS AND THEIR DERIVATIVES

The list below shows crops, animal derivatives and processed inputs and ingredients which carry a direct or indirect risk of being genetically engineered.

<b>Crops</b>	
The following crops carry risk of being genetically engineered, because engineered varieties of these crops are grown large scale in at least one country of the world.	
They are listed here roughly in order of decreasing prevalence in the marketplace.	
Soy	
Corn	
Cotton	The seed is also used to make vegetable oil and animal fee.
Canola	
Rice	
Papaya	
Potato	
Alfalfa	Also includes alfalfa produced with GMO Rhizobium inoculants.
Zucchini	
Yellow Crook-neck Squash (summer squash)	
Tomato	
Sugar Beets	Planted after 2007 crop.

### **Animal Derivatives**

Animal derivatives refer to products derived from cattle, sheep, pigs, chickens, and other common livestock, fowl, and fish.

Most animal-derived products have GMO-risk because soy, corn, cottonseed, alfalfa, and canola are commonly used in feed, and because injections of recombinant bovine growth hormone are used to increase milk production.

GMO veterinary inputs such as vaccines, sperm, and drugs are also commonly used in livestock production systems.

Milk	
Meat	Hides and skins would also be included in this category.
Eggs	
Honey and other bee products	

### **Processed Inputs and Ingredients, and Related Derivatives**

The following is a non-exhaustive list of derivatives with high GMO risk, which are commonly used in food production. It is meant to provide examples of materials that will be considered high risk.

Ascorbic Acid	
Amino Acids	
Aspartame	
Bacterial Starters	
Caramel	Derived from glucose syrup.
Cellulose	Can be derived from GM cotton.
Chymosin	
Citric Acid	Derived from corn.
Cloned Sperm	

Corn Flour	
Corn Gluten	
Corn Grits	
Corn Oil	
Corn Starch	Includes both native and modified corn starch.
Corn Syrup	
Corn Syrup Solids	
Dextrose	Derived from corn.
Enzymes	
Ethanol	Derived from corn or GMO sugar beets.
Flavorings, “natural” and “artificial”	The carrier may also be GM.
Fructose	Derived from corn.
Glucose	Derived from corn.
Glucose Syrup	Derived from corn.
Glycerides	Derived from corn.
Hydrolyzed Vegetable Protein	
Maltodextrins	Derived from corn.
Molasses	Derived from sugar beets, beginning 2008 crop.
Monosodium Glutamate	Derived from corn.
rBGH, rBST, recombinant bovine growth hormone	
Sodium Ascorbate	Derived from corn.
Sodium Citrate	Derived from corn.

Soy Fiber	
Soy Flour	
Soy Grits	
Soy Lecithin	
Soy Milk	
Soy Oil	
Soy Protein Isolate/ Concentrate	
Soy Sauce, Black SoyBean Sauce	
Sucrose	Derived from sugar beets, beginning 2008 crop.
Textured Vegetable Protein	Including soy protein.
Tofu, Bean Curds, Soy Curds	
Xanthan Gum	
Vaccines	
Veterinary Medicines	
Vitamin A	
Vitamin B6 (pyridoxine)	
Vitamin B12 (cyanocobalamin)	
Vitamin C	
Vitamin E	Includes other/mixed tocopherols.
Yeast and Yeast Products	