

CDFA State Organic Program, GMO Pilot Sampling Survey

Date Submitted	Sample Type	Results	Comments
4/25/16	Sprouting alfalfa seeds	Detected below .05% GMO	No GMO detected
4/25/16	Alfalfa cattle feed pellets	Detected below .05% GMO	No GMO detected
4/25/16	Summer Yellow Squash Seeds	Detected below .05% GMO	No GMO detected
5/4/16	Alfalfa Plant	Detected below .05% GMO	No GMO detected
5/9/16	Alfalfa Hay	Detected 0.6% GMO	Presence of GMO
5/9/16	Alfalfa Hay	Detected 0.1% GMO	Presence of GMO
5/24/16	Cattle feed mixed pellets	Detected below .05% GMO	No GMO relative to Soy DNA
5/24/16	Cattle feed mixed pellets	Detected below .05% GMO	No GMO relative to Soy DNA
5/24/16	Cattle feed mixed pellets	Detected not quantifiable	Insufficient amount Soy DNA
5/24/16	Cattle feed mixed pellets	Detected not quantifiable	Insufficient amount Soy DNA
5/24/16	Cattle feed blended pellets	Detected 16.7% GMO	GMO relative to Soy DNA
5/24/16	Cattle feed blended pellets	Detected 7.5% GMO	GMO relative to Soy DNA
6/22/16	Cattle feed blended pellets	Detected (Qualitative Analysis)	GMO relative to Soy DNA
6/22/16	Rolled Corn Kernels Feed	Detected below .05% GMO	No GMO relative to Corn DNA
6/28/16	Chicken feed pellets	Detected 100% GMO	GMO relative to Soy DNA
8/11/16	Chicken feed pellets	Detected 5.6% GMO	GMO relative to Corn DNA
8/11/16	Chicken Starter Crumbles	Detected below .05% GMO	No GMO relative to Corn DNA
9/16/16	Mixed Squash	Detected below .05% GMO	No GMO detected
9/30/16	Sweet Corn	Detected below .05% GMO	No GMO detected
9/30/16	Sweet Corn	Detected below .05% GMO	No GMO detected
9/30/16	Summer Squash	Detected below .05% GMO	No GMO detected
10/6/16	Sweet Corn	Detected below .05% GMO	No GMO detected
12/28/16	Cottonseed	Detected 100% GMO	GMO relative to Cottonseed DNA

1. Tests were conducted using PCR (polymerase chain reaction) quantitative analysis that can detect the percentage of GMO relative to DNA for a particular species.
2. Limit of quantification is .05%. This is the lowest level which a GMO result can be quantified.
3. Line item for Cattle feed blended pellets submitted on 6/22/16: Item inadvertently submitted for qualitative analysis, which can only provide a positive or negative detection.
4. Animal feed often consists of various ingredients. In these samples, item with the highest percentage of ingredient was tested, e.g. relative to Soy/Corn DNA.
5. No tolerance levels currently established for the presence of GMOs. The National Organic Program (NOP) prohibits the use Genetically Modified Organisms (GMO) in organic production and handling. The USDA organic regulations prohibit the use of GMOs as “excluded methods” under 7 CFR § 205.105.
6. In 2015 the California Organic Products Advisory Committee (COPAC) asked the SOP to begin gathering information on the potential presence of GMO in organic products. Because the survey was informational, the products were obtained using a “blind” methodology that allowed samples to be collected and tested without knowledge of the actual product’s origin.