

Risk Assessments-Farm Name: **Billy Bob's Farm LLC**

Field/Production Area: **Homeplace**

Date of Assessment: **04/15/2019**
(Conducted yearly..each production area, usually in the spring)

LAND USE RISK ASSESSMENT: (F-1.1) Crop(s) **Potatoes** Name: **Billy Bob Jr.**

Hazards/Risks <i>(Chemical, Physical, Biological)</i>	Findings/Observations	Plan to Minimize/Reduce Risk	Risk Level		
			Low	Med	High
History of Production area: <i>(crop rotation, field history, new lease or purchase)</i>	New purchase in 2019	Purchased the land from my neighbor Dan Jones. Mr. Jones stated that the land has always been used for crop production such as grain, alfalfa and pasture.	X		
Adjacent Land Use:	Crops (Grain, Potatoes)	Be aware of what neighbors are growing.	X		
Buildings/Structures:	Houses (family residence) on the N and S	Monitor the edges of the field. Be aware of trash. Septic systems/drain fields are away from crop production area.	X		
Drainage problem/areas of ponding?	Slight ponding area on the South side of the field.	Check drainage, make repairs to improve ground to minimize ponding. Visual inspection conducted throughout the growing season.	X		
<i>(What else borders the field that potentially could be a risk)</i>	Next to high traffic road on East side, medium traffic on West.	Watch for litter/broken glass.		X	
	Shop with an equipment boneyard	A dirt road separates the shop and field. Monitor the boneyard for excessive rodent activity.	X		
	Large canal on East side. A small feedlot across canal with animals. Also a pasture on the north - no animals.	Canal separates production area. Animals do not have direct access to surface water.	X		

WATER SYSTEM RISK ASSESSMENT: (F-4.1) Field/Production Area: **Homeplace** Name: **Billy Bob Jr.** Date: **4/15/2019**

Hazards/Risks <i>(Chemical, Physical, Biological)</i>	Findings/Observations	Plan to Minimize/Reduce Risk	Risk Level		
			Low	Med.	High
Source of Irrigation; <i>(pond, surface/canal, ground well, municipal)</i>	Canal - ditch	Monitor the canal bank-ditch rider employed by local water district aids in visual inspection of the canal. Water tests on file.		X	
Type of Irrigation: <i>(drip, overhead, flood, micro-irrigation)</i>	Overhead Sprinkler	For potatoes this is low risk	X		
Electrical/Pump Inspection: <i>(Date(s) of pump inspection, observation, who conducted inspection)</i>	Pump area is reasonably clean and free from debris or other contaminants.	Pumps and well heads are inspected, maintained and serviced at the beginning of every season and as needed. See record from A-1 Electrical.	X		
Do you chemigate/fertigate from this pump location? <i>(Backflow systems, check valves)</i>	Yes	Water test is on file from the water source that is used for chemical dilution at the pump. Backflow systems and check valves are located on the pump.	X		
Required Water tests per/Food Safety Program on file?	Reminder...Need at a minimum 3 water tests throughout the growing season. SOP on file. This field uses surface water.	Test water when it is first introduced to the crop..2nd at peak3rd towards the end of the season. Will conduct appropriate actions if testing comes back too high as stated in Food Safety Plan on file.		X	

SOIL AMENDMENTS/CHEMICAL ASSESSMENT: (F-7.1) Field/Production Area: **Homeplace** Name: **Billy Bob Jr.** Date: **4/15/19**

Hazards/Risks <i>(Chemical, Physical, Biological)</i>	Findings/Observations	Plan to Minimize/Reduce Risk	Risk Level		
			Low	Med.	High
Compost from animals applied to this crop production area? <i>(Dates compost applied, COA, etc.)</i>	Yes	Purchased compost is from "Agri-Compost" .Composition, dates of treatment, temperatures and turn dates are noted in the report from "Agri-Compost". A COA is on file and was conducted by Western Labs. Compost applied to field on October 18, 2018.	X		
Untreated Raw Manure applied to this crop production area? <i>(Dates applied-within guidelines)</i>	Raw manure not applied.	N/A			
Inorganic fertilizers/synthetic: <i>(Letter of guarantee, blend analysis, MOP)</i>	Yes	Letter of guarantee is on file from Valley Ag.and the blend analysis is noted on the work order.	X		
Chemicals Applied/Crop Protection <i>(See chemical log)</i>	Labels	All chemicals applied to crop are labled for such use.	X		
Calibration of Equipment; <i>(sub-contracted, apply own chemicals)</i>	Yes	All chemicals are applied by third party sub-contractors. Letters of guarantee are on file for calibration of chemical equipment.	X		
History of flooding: <i>(soil tested for contaminates)</i>	No history of flooding.				

PRE-HARVEST RISK ASSESSMENT: (F-9.1)	Inspection Date: 9/22/2018 Field/Crop production Area: Homeplace	
	Projected Harvest Date: 9/27/2018 Conducted by: Billy Bob	
	"Yes"	Action Taken if Necessary
Harvest workers/employees trained?	X	
Toilets/sanitation units available, accessible, adequate in number and properly supplied?	X	
Hand washing stations available, accessible and adequate in number? Gray water is captured and away from production areas?	X	
Location of toilets/sanitation units, including hand-washing stations are low risk for contamination of product and are within a reasonable distance for employee usage?	X	
Potable water available for employee usage? (drinking, hand-washing)	X	
Evidence of domestic or wild animal crop damage?		NONE WAS OBSERVED
Evidence of unauthorized entry in the crop production area? (Food Defense)		NONE WAS OBSERVED
Evidence of physical contamination in the crop production area?		NONE WAS OBSERVED
Evidence of possible fuel and /or chemical contaminants isolated from crop production area?		NONE WAS OBSERVED-EQUIPMENT IS READY TO GO.
Harvest containers/transportation equipment (bulk hauling vehicles, totes, etc.) are repaired and cleaned according to the Food Safety Plan on file?	X	TRUCKS HAVE BEEN CLEANED
Are raw product storages/cellars clean and ready for product?	X	WATER TESTS ON FILE FOR HUMIDICELLE/HUMIDIFIER

FOOD DEFENSE - RISK ASSESSMENT (G-12.1.A)

Field Contamination	No trespassing signs are posted near crop production areas.	Employees have been trained to report suspicious behavior to farm managers and/or owners. Training records are on file and evidence of managements commitment to the food defense plan is noted in the mission statement as stated in my Food Safety Plan. Preventative controls, monitoring, verification procedures, corrective actions and documentation is also noted in my plan on file. Cameras are in areas that are high risk for security issues. Fields, equipment and storages are inspcted prior to harvest to look for intentional contamination or tampering. Continual visual inspection is ongoing.
Harvest Contamination		
Storage Contamination	Raw product storage areas/cellars are locked when product is stored. Signs are posted on storage entrances stating "No Trespassing or Authorized Users Only."	

FOOD FRAUD - RISK ASSESSMENT (G-13.1.A)

Growing Season	Areas of possible food fraud have been identified. Misrepresentation of the variety of potato that is planted/grown/harvested and sold to the customer is an area that could be considered as possible food fraud. We have an extensive traceability program that we have incorporated on our farm. Variety of purchased seed is documented from supplier to the customer. All areas of management are committed to the Food Defense and Food Fraud Plans and noted in the company's mission statement.
Harvest Season	<ol style="list-style-type: none"> 1. Variety of seed is inspected during the growing season by Crop Improvement (record) 2. Inspection by ISDA and certification, including blue tags are on file to ensure variety of seed (blue tags, North American Seed Certificate) 3. Variety of seed is noted on planting records with field names noted. (Record) 4. Contracts with customers (Packing house – Processors) specify the variety of potatoes that have been sold. (Record) 5. Variety of potato is documented by Field ID, raw product storage, and loading tickets from storage to customer. (Record)