

2016 National FFA Agronomy Team Event

Scenario:

Location: Idaho

You have 640 acres that have been selected by a large malting company in Colorado. Your farm has been selected by meeting very strict criteria for soil type, moisture and yield potential.

You have a choice to make:

- 1) Accept the terms of the provided contract. Seed will be provided at no cost if the contract is followed. Transportation for the contracted amount will also be provided. Any excess can be hauled to local market to be sold as feed grain at your expense.
- 2) Reject the terms of the provided agreement. (or if you void the terms of the provided contract). Seed will cost \$.05 per pound. All yields will be sold as feed barley with transportation at your expense.

The seed is Moravian 37, seeded at 120 pounds per acre. It should yield 121 bushels per acre in your area.

You own equipment for planting with either anhydrous ammonia or dry fertilizer. You also own a dry fertilizer spreader and sprayer. Flag leaf and early flowering applications will be done by aircraft to reduce damage to the crop. These will be hired through your local Co-op. The crop will be custom harvested by a local company that has combines set up for malt barley.

You own the trucks to haul to local market. The malting company will provide all transportation for their bushels if contracted.

The field was spring wheat last season. You are planning to rotate to peas the season following the barley.

The higher quality grain produced the better prices you will receive at harvest.

No fungicides – 40% reduction in price at harvest. Miss the fungicide application with herbicides – 10% reduction. Miss the flag leaf application – 10% reduction. Miss the Prosaro application at early flowering – 20% reduction due to damage kernels and DON-V toxin levels.

No insecticides – 20% reduction in price at harvest. (10% for each application).

Your area has problems with stem rust, powdery mildew and head scab diseases. Fungicides are necessary. One application with herbicides before 5th leaf, an application with insecticide at flag leaf and one application at early flowering.

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Flea beetle, armyworm and aphids are problems. Include insecticide with herbicide application and with the fungicide application at flag leaf.

Even if you choose to reject the contract, use the fertilizer, herbicide, insecticide and fungicide recommendations that are provided in the contract for producing your crop.

Weeds common in your fields are wild oats, yellow and green foxtail, kochia, field pennycress and redroot pigweed.

Since you were planting other crops, you had your local Co-op spray the preplant burndown for weed control. The field was sprayed with Roundup Powermax (22 ounces) and Affinity Broadspec (0.3 ounces) per acre at a cost of \$12.00 per acre.

LOCAL CASH PRICE FOR FEED BARLEY IS \$4.25 PER BUSHEL.

Straw yields 2.5 tons per acre. Sell at \$44 per ton.

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