Potatoes

Perfect Blend Crop Case Studies

Case Study Number:
08-1001

Client:
Johnson Agriprises, Inc.

Crop:
Potatoes

Field(s) Size:
1800 Acres

Perfect Blend Product:
8-5-5 Organic Based Urea Supplemented

Fertilizer Class:
Integrated Nutrient Management (FAO Type)

Application:
Fall: 1 ton Perfect Blend 8-5-5 per acre
1500 # gypsum - High pH water and soil.

Additional Nutrients:
30 # N, 100 # P, 8 # K, 10 # Zn, 8 # S, .5# Boron placed in the planter band during spring seeding in the form of liquid blended 10-34.

Addition 150-300 # P and 150-300 # K dry application depending on soil samples after seeding.

During the growing season addition liquid nitrogen and sulfur were added in the amounts of 150-200# N, 80-110# S depending on petal sampling

Yields:
36 ton per acre yield average over 1800 acres.

92% Average processing payables

Top two fields yielded 43 ton and 40 ton respectfully

History:
31.5 ton / acre - 5 year history

Grower Comments:
With Perfect Blend, we can be assured of fall fertility while being certain of our fertility values come spring. During the past five (5) years we have had solid issues with only two (2) fields.

This year while the Columbia Basin has averaged a 1.083 we averaged 1.087.

We are currently reviewing the opportunity to use 3000# of Perfect Blend in the fall in order to lower our additional nutrient requirement and total cost.

Case Study Costing

Fall Program:

Product: 8-5-5 Ag.

Price: $230.00 per ton

Application Rate: 1 Ton per acre

Application Cost: $230 / Acre

Spring Program:

Planter Band: $67.34 / Acre

Additional P: $24.50 – $73.50 / Acre

Additional K: $18.50 – $55.50 / Acre

Gypsum Addition: $23.10 / Acre

Liquid Summer Program:

Additional N & S: $125.00 Average

Total: $478.43 – $564.44 / Acre

Average: $525.00 / Acre