Crop Enterprise Budgets For
2200 Acre Cash Grain Farm – 2010

Farm and Rotation Assumptions
Farm Size  2200 Crop Acres (1320 acres corn, 880 acres soybeans)
Budget 1  440 Acres Corn Following Corn
Budget 2  880 Acres Corn Following Soybeans
Budget 3  880 Acres Soybeans Following Corn

General Assumptions
1. Reasons for more corn than soybean acres
   A. Usually some land not well suited to soybeans
   B. Shorter harvest window for soybeans
   C. Disease management necessitates fewer soybean acres
2. Crop prices based on price estimates
3. Yields based on long-term rotation studies in Wisconsin
4. Transport factor (machinery set up, field transport) .10
5. Bulk spread fertilizer – custom hired $6.42/A
6. Long-term interest rate 5.60%
7. Short-term interest rate 4.50%
8. Short-term loan period 6 Months
9. Operator labor $10.00/hour
10. Crop consultant $9.00/A
11. Land rent $89.00/A
12. Soil test levels equal optimum (UW soil test recommendations)
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Machinery and Equipment Assets

Power Units
140 HP 4WD Tractor
160 HP MFWD Tractor
200 HP MFWD Tractor
225 HP MFWD Tractor
Combine 305 HP

Tillage Equipment
16.3 ft. disk chisel plow - 200 HP MFWD tractor
28 ft. field cultivator - 225 HP MFWD tractor

Planting Equipment
16 row, 30" min-till corn planter - 200 HP MFWD tractor
15 ft. min-till grain drill - 140 HP 4WD tractor

Miscellaneous Equipment
60 ft. self-propelled boom sprayer
Tandem truck - 1600 gal sprayer nurse tank

Harvest Equipment/Grain Hauling
8 row 30" corn head
25' soybean head
0.75 ton medium truck
Semi tractor with 42 foot hopper trailer
620 Bu grain cart
Header cart
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Budget 1 - Corn Grain Following Corn (440 Acres)

Budget Assumptions
1. Yield = 155 Bu/A
2. 80,000 seeds/bag x 0.394 bag/A = 31,520 planted population
3. Starter N, P & K 9-23-30 150 lb/A
4. Custom bulk spread fertilizer 18-46-0 55 lb/A
5. Custom bulk spread fertilizer 46-0-0 220 lb/A

Total nutrients applied 125 N+60 P₂O₅+45 K₂O

6. Spray Harness pre-emergence 2.0 pt/A
7. Spray Hornet WDG pre-emergence 4.0 oz/A
8. Corn drying $.047/point x 6 pts = $.312/Bu
9. Crop insurance $14.53/A

Operations
1. Fall tillage – 15’ disk chisel plow - 225 HP MFWD tractor
2. Spring tillage – 28’ field cultivator - 225 HP MFWD tractor
3. Custom bulk spread fertilizer
4. Planting - 200 HP MFWD tractor
5. Herbicide application
6. Harvest combine - 305 HP with 8 row 30” head
7. 620 Bu grain cart - 225 HP MFWD tractor
8. Tandem truck – 1600 gal sprayer nurse tank
9. Harvest - tandem truck
10. Harvest - semi tractor with 42 foot hopper trailer
11. Dealer provided fertilizer nurse box
12. Header cart – 3/4 ton medium truck
Budget 2 - Corn Following Soybeans (880 Acres)

Budget Assumptions:
1. Yield = 181 Bu/A
2. 80,000 seeds/bag x 0.394 bag/A = 31,520 planted population
3. Starter N, P & K 9-23-30 150 lb/A
4. Custom bulk spread fertilizer 18-46-0 55 lb/A
5. Custom bulk spread fertilizer 46-0-0 220 lb/A

Total nutrients applied 106 N+71 P₂O₅+51 K₂O

6. Spray Harness pre-emergence 2.0 pt/A
7. Spray Hornet WDG pre-emergence 4.0 oz/A
8. Corn drying $.047/point x 6 pts = $.212/Bu
9. Crop insurance $15.04/A

Operations
1. Spring tillage – 28’ field cultivator - 225 HP MFWD tractor
2. Custom bulk spread fertilizer
3. Planting - 200 HP MFWD tractor
4. Herbicide application
5. Harvest combine - 305 HP with 8 row 30” head
6. 600 Bu grain cart - 225 HP MFWD tractor
7. Tandem truck – 1600 gal sprayer nurse tank
8. Harvest - semi tractor 42 foot hopper trailer
9. Dealer provided fertilizer nurse box
10. Header cart – 3/4 ton medium truck
Crop Enterprise Budgets For
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Budget 3 - Soybeans Following Corn (880 Acres)

Budget Assumptions:
1. Yield = 55 Bu/A
2. Seed - Roundup Ready; 80 lbs/A
   2810 seeds/lbs = 225,000 seeds/A planted population
3. Custom bulk spread fertilizer 18-46-0 109 lb/A
4. Custom bulk spread fertilizer 0-0-60 100 lb/A
   Total nutrients applied 20 N+50 P₂O₅+60 K₂O
5. Herbicide spray - post emergence application
   Roundup WeatherMax 0.17 gal/A
6. Crop insurance $ 10.06/A

Operations
1. Fall tillage – 16.3’ disk chisel plow - 200 HP MFWD tractor
2. Spring tillage – 28’ field cultivator - 160 HP MFWD tractor
3. Planting - 140 HP 4WD tractor
4. Custom bulk spread fertilizer
5. Post emergence spray application
6. Harvest combine - 265 HP with 25’ soybean head
7. Header cart - 3/4 ton medium truck
8. Tandem truck – 1600 gal sprayer nurse tank
9. Harvest - semi tractor with 42 foot hopper trailer
10. Harvest - 620 Bu grain cart - 225 HP MFWD tractor

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