Crop Enterprise Budgets For
2200 Acre Cash Grain Farm – 2012

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) 0.10
5. Bulk spread fertilizer – custom hired $5.20/A
6. Long-term interest rate 4.38%
7. Short-term interest rate 4.59%
8. Short-term loan period 6 Months
9. Operator labor $10.00/hour
10. Crop consultant $9.00/A
11. Land rent $103.00/A
12. Soil test levels equal optimum (UW soil test recommendations)
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Machinery and Equipment Assets

**Power Units**
- 130 HP MFWD 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 - 160 HP MFWD tractor

**Planting Equipment**
- 16 row, 30" min-till corn planter - 200 HP MFWD tractor
- 15 ft. min-till grain drill - 130 HP MFWD tractor

**Miscellaneous Equipment**
- 60 ft. self-propelled boom sprayer
- Tandem truck - 1300 gal sprayer nurse tank

**Harvest Equipment/Grain Hauling**
- 8 row 30" corn head
- 25' soybean head
- 0.75 ton medium truck
- 650 Bu grain cart - 225 HP MFWD tractor
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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    242 lb/A

Total nutrients applied 135 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 $.057/point x 6 pts = $.341/Bu
9. Crop insurance $18.22/A

Operations
1. Fall tillage – 15’ disk chisel plow - 200 HP MFWD tractor
2. Spring tillage – 28’ field cultivator - 160 HP MFWD tractor
3. Custom bulk spread fertilizer
4. Planting - 160 HP MFWD tractor
5. Herbicide application
6. Harvest combine - 305 HP with 8 row 30” head
7. 650 Bu grain cart - 225 HP MFWD tractor
8. Tandem truck – 1300 gal sprayer nurse tank
9. Harvest - tandem truck
10. Dealer provided fertilizer nurse box
Crop Enterprise Budgets For  
2200 Acre Cash Grain Farm - 2012

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 80 lb/A
5. Custom bulk spread fertilizer 46-0-0 190 lb/A
6. Custom bulk spread fertilizer 0-0-60 10 lb/A

    Total nutrients applied 115 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 $.057/point x 6 pts = $.341/Bu
9. Crop insurance $18.21/A

Operations
1. Spring tillage – 28’ field cultivator - 160 HP MFWD tractor
2. Custom bulk spread fertilizer
3. Planting - 160 HP MFWD tractor
4. Herbicide application
5. Harvest combine - 305 HP with 8 row 30” head
6. 650 Bu grain cart - 225 HP MFWD tractor
7. Tandem truck – 1300 gal sprayer nurse tank
8. Dealer provided fertilizer nurse box
Crop Enterprise Budgets For
2200 Acre Cash Grain Farm - 2012

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 $ 12.59/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 - 130 HP MFWD tractor
4. Custom bulk spread fertilizer
5. Post emergence spray application
6. Harvest combine - 265 HP with 25’ soybean head
8. Tandem truck – 1300 gal sprayer nurse tank
9. Harvest - 650 Bu grain cart - 225 HP MFWD tractor

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