

2018 Nebraska Crop Budgets

Developed and Edited by

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Note: These budget projections were created using assumptions thought to be valid for many Nebraska producers; however, each farming operation is unique. These budgets are being released in both Adobe PDF and Excel® worksheet formats. The worksheet format allows producers to modify them to match their specific situation. The danger of releasing a tool that can subsequently be modified is that there is no way to verify whether alterations were made or unrealistic data was entered. Users of this tool are responsible for independently verifying all results prior to relying on them. Original files for these budgets are available at http://extension.unl.edu/publications and on http://cropwatch.unl.edu/economics/budgets.

Additional Resource Persons

The following individuals contributed to the budgets in their specialty areas: Robert J. Wright, Extension Entomologist Tamra A. Jackson-Ziems, Extension Plant Pathologist — Corn and Sorghum Loren J. Giesler, Extension Plant Pathologist — Soybean and Turf Stephen N. Wegulo, Extension Plant Pathologist — Wheat and Ornamental Paul J. Jasa, Extension Biological Systems Engineer James A. Schild, Extension Educator in Scotts Bluff and Morrill Counties

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| | | Times | Labor @ | Fuel @ \$2.45 | Repa | airs | Owne | rship | | Your |
|---|--------------------|---------------------|---------------|---------------|-------|------|-------|-------|-------|----------|
| | Field Operations | | ± \$20.00 /Hr | | Power | Imp. | Power | Imp. | Total | Estimate |
| 1 | Disk | 1 | 2.02 | 2.14 | 0.30 | 1.27 | 4.04 | 1.14 | 10.91 | |
| 2 | Field Cultivation | 1 | 1.47 | 1.54 | 0.58 | 1.33 | 1.80 | 1.51 | 8.23 | |
| 3 | Spray Herbicide | 1 | 1.00 | 0.30 | 0.35 | 0.29 | 1.08 | 0.04 | 3.06 | |
| 4 | Plant | 1 | 2.40 | 0.77 | 0.86 | 2.54 | 2.70 | 3.53 | 12.80 | |
| 5 | Spray Herbicide | 1 | 1.00 | 0.30 | 0.35 | 0.29 | 1.08 | 0.04 | 3.06 | |
| 6 | Aerial Spray | Custom | | | | | | | | |
| 7 | Combine Dryland SB | 1 | 3.38 | 4.55 | 7.87 | 1.11 | 6.29 | 2.65 | 25.85 | |
| 8 | Truck | Custom | | | | | | | | |
| | Total f | or Field Operations | 11.27 | 9.60 | 10.31 | 6.83 | 16.99 | 8.91 | 63.91 | |

| Valor XLT Herbicide 3 100% 3 ounce 5.75 17.25 RR2 Soybeans Seed 4 100% 1 bag 50.00 50.00 Glyphosate w/Surfactant Herbicide 5 100% 32 ounce 0.12 3.75 Select Max Herbicide 5 100% 6 ounce 0.86 5.16 21-0-0-24S Additive 5 100% 1.7 pound 0.28 0.48 * Aerial Spray Custom 6 20% 1 acre 10.00 2.00 * Warrior II/Zeon Insecticide 6 20% 1.6 ounce 2.89 0.93 Haul Grain Bushels Custom 8 100% 40 bushel 0.11 4.40 Scouting Dryland Soybeans Scouting 100% 1 acre 7.00 7.00 Crop Insurance 12.68 12.68 12.68 12.68 12.68 12.68 Total Materials & Services Interest on Operations Capital \$ 141.66 cash expense @ 5.50% for 6.0 mo. 3.90 | Materials & Services | | Operation Index | Percent Acres Applied | Application Rate Unit | Applied Price | Total | Your Estimate |
|---|---|-----------------------------------|--------------------|-----------------------------|--------------------------|------------------|--------|------------------|
| Glyphosate w/Surfactant Herbicide 5 100% 32 ounce 0.12 3.75 Select Max Herbicide 5 100% 6 ounce 0.86 5.16 21-0-0-24S Additive 5 100% 1.7 pound 0.28 0.48 * Aerial Spray Custom 6 20% 1 acre 10.00 2.00 * Warrior II/Zeon Insecticide 6 20% 1.6 ounce 2.89 0.93 Haul Grain Bushels Custom 8 100% 40 bushel 0.11 4.40 Scouting Dryland Soybeans Scouting 100% 1 acre 7.00 7.00 Crop Insurance 12.68 12.68 12.68 103.65 * Insecticide for Aphids and Caterpillars 103.65 167.56 171.46 Total Materials & Services 167.56 171.46 3.90 * Insecticide for Aphids and Caterpillars 167.56 171.46 3.90 Total Operating and Use Related Ownership Costs 171.46 20.00 3.90 Real Estate Opportunity Dryland (State) 3,145 9er acre @ | Valor XLT | Herbicide | 3 | 100% | 3 ounce | 5.75 | 17.25 | |
| Sect Max Herbicide 5 100% 6 ounce 0.86 5.16 21-0-0-24S Additive 5 100% 1.7 pound 0.28 0.48 * Aerial Spray Custom 6 20% 1 acre 10.00 2.00 * Warrior II/Zeon Insecticide 6 20% 1.6 ounce 2.89 0.93 Haul Grain Bushels Custom 8 100% 40 bushel 0.11 4.40 Scouting Dryland Soybeans Scouting 100% 1 acre 7.00 7.00 Crop Insurance 12.68 12.68 12.68 12.68 Total Materials & Services 103.65 * Insecticide for Aphids and Caterpillars 103.65 167.56 Total Operations and Materials and Services 167.56 Interest on Operations Capital \$ 141.66 cash expense @ 5.50% for 6.0 mo. 3.90 Total Operating and Use Related Ownership Costs 171.46 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 94.35 Real Estate Taxes \$ 3,145 per acre @ | RR2 Soybeans | Seed | 4 | 100% | 1 bag | 50.00 | 50.00 | |
| 21-0-0-24S Additive 5 100% 1.7 pound 0.28 0.48 * Aerial Spray Custom 6 20% 1 acre 10.00 2.00 * Warrior II/Zeon Insecticide 6 20% 1.6 ounce 2.89 0.93 Haul Grain Bushels Custom 8 100% 40 bushel 0.11 4.40 Scouting Dryland Soybeans Scouting 100% 1 acre 7.00 7.00 Crop Insurance 12.68 12.68 12.68 12.68 Total Materials & Services * Insecticide for Aphids and Caterpillars Total Materials & Services 103.65 * Insecticide for Aphids and Caterpillars 167.56 167.56 Interest on Operations and Materials and Services 167.56 Interest on Operations Capital \$ 141.66 cash expense @ 5.50% for 6.0 mo. 3.90 Total Operating and Use Related Ownership Costs 171.46 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 20.00 Real Estate Opportunity Dryland (State) \$ 3,145 9r acre @ | Glyphosate w/Surfactant | Herbicide | 5 | 100% | 32 ounce | 0.12 | 3.75 | |
| * Aerial Spray Custom 6 20% 1 acre 10.00 2.00 * Warrior II/Zeon Insecticide 6 20% 1.6 ounce 2.89 0.93 Haul Grain Bushels Custom 8 100% 40 bushel 0.11 4.40 Scouting Dryland Soybeans Scouting 100% 1 acre 7.00 7.00 Crop Insurance 12.68 12.68 103.65 103.65 * Insecticide for Aphids and Caterpillars 103.65 167.56 167.56 Interest on Operations Capital \$ 141.66 cash expense @ 5.50% for 6.0 mo. 3.90 Total Operating and Use Related Ownership Costs 171.46 171.46 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 94.35 Real Estate Opportunity Dryland (State) \$ 3,145 per acre @ 3.00% 94.35 Real Estate Taxes \$ 3,145 per acre @ 1.00% 314.55 Total Cost per Acre Including Overhead 317.26 317.26 | Select Max | Herbicide | 5 | 100% | 6 ounce | 0.86 | 5.16 | |
| * Warrior I/Zeon Insecticide 6 20% 1.6 ounce 2.89 0.93 Haul Grain Bushels Custom 8 100% 40 bushel 0.11 4.40 Scouting Dryland Soybeans Scouting 100% 1 acre 7.00 7.00 Crop Insurance 12.68 12.68 12.68 103.65 * Insecticide for Aphids and Caterpillars 103.65 160.65 160.65 * Insecticide for Aphids and Caterpillars 167.56 167.56 167.56 Interest on Operations Capital \$ 141.66 cash expense @ 5.50% for 6.0 mo. 3.90 Total Operating and Use Related Ownership Costs 171.46 171.46 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 94.35 Real Estate Opportunity Dryland (State) \$ 3,145 per acre @ 3.00% 94.35 Real Estate Taxes \$ 3,145 per acre @ 1.00% 31.45 317.26 | 21-0-0-24S | Additive | 5 | 100% | 1.7 pound | 0.28 | 0.48 | |
| Haul Grain BushelsCustom8100%40 bushel0.114.40Scouting Dryland SoybeansScouting100%1 acre7.007.00Crop Insurance12.6812.6812.68Total Materials & Services103.65* Insecticide for Aphids and Caterpillars103.65Total listed costs for Field Operations and Materials and Services167.56Interest on Operations Capital \$ 141.66cash expense @5.50% for 6.0 mo.3.90Total Operating and Use Related Ownership CostsOverhead(accounting, liability insurance, vehicle cost, office expense)20.00Real Estate OpportunityDryland (State)\$ 3,145per acre @3.00%Real Estate Taxes\$ 3,145per acre @1.00%31.45Total Cost per Acre Including Overhead317.26317.26 | * Aerial Spray | Custom | 6 | 20% | 1 acre | 10.00 | 2.00 | |
| Scouting Dryland Soybeans Scouting Crop Insurance 100% 1 acre 7.00 7.00 Crop Insurance 100% 1 acre 7.00 7.00 Crop Insurance 12.68 12.68 Total Materials & Services 103.65 insecticide for Aphids and Caterpillars Total Isted costs for Field Operations and Materials and Services 167.56 Interest on Operations Capital \$ 141.66 cash expense @ 5.50% for 6.0 mo. 3.90 Total Operating and Use Related Ownership Costs 171.46 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 20.00 Real Estate Opportunity Dryland (State) \$ 3,145 per acre @ 3.00% 94.35 Real Estate Taxes \$ 3,145 per acre @ 1.00% 31.45 317.26 Total Cost per Acre Including Overhead | * Warrior II/Zeon | Insecticide | 6 | 20% | 1.6 ounce | 2.89 | 0.93 | |
| Crop Insurance 12.68 12.68 Total Materials & Services 103.65 * Insecticide for Aphids and Caterpillars 103.65 Total listed costs for Field Operations and Materials and Services 167.56 Interest on Operations Capital \$ 141.66 cash expense @ 5.50% for 6.0 mo. 3.90 Total Operating and Use Related Ownership Costs 167.56 3.90 171.46 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 94.35 Real Estate Opportunity Dryland (State) \$ 3,145 per acre @ 3.00% 94.35 Total Cost per Acre Including Overhead 317.26 317.26 | Haul Grain Bushels | Custom | 8 | 100% | 40 bushel | 0.11 | 4.40 | |
| Total Materials & Services 103.65 * Insecticide for Aphids and Caterpillars 103.65 Total listed costs for Field Operations and Materials and Services 167.56 Interest on Operations Capital \$ 141.66 cash expense @ 5.50% for 6.0 mo. 3.90 Total Operating and Use Related Ownership Costs 171.46 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 Real Estate Opportunity Dryland (State) \$ 3,145 per acre @ 3.00% 94.35 Real Estate Taxes \$ 3,145 per acre @ 1.00% 31.45 317.26 | Scouting Dryland Soybeans | Scouting | | 100% | 1 acre | 7.00 | 7.00 | |
| * Insecticide for Aphids and Caterpillars Total listed costs for Field Operations and Materials and Services Interest on Operations Capital \$ 141.66 cash expense @ 5.50% for 6.0 mo. Total Operating and Use Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) Real Estate Opportunity Real Estate Taxes Total Cost per Acre Including Overhead * Insecticide for Aphids and Caterpillars Interest on Operations and Materials and Services Interest on Operations and Mat | | Crop Insurance | | | | 12.68 | 12.68 | |
| Total listed costs for Field Operations and Materials and Services Interest on Operations Capital \$ 141.66 cash expense @ 5.50% for 6.0 mo. 167.56 | Total Materials | & Services | | | | | 103.65 | |
| Interest on Operations Capital \$ 141.66 cash expense @ 5.50% for 6.0 mo. 3.90 Total Operating and Use Related Ownership Costs 171.46 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 Real Estate Opportunity Dryland (State) \$ 3,145 per acre @ 3.00% 94.35 Real Estate Taxes \$ 3,145 per acre @ 1.00% 31.45 Total Cost per Acre Including Overhead 317.26 | · · | ions and Materials and Servic | es | | | | 167.56 | |
| Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 Real Estate Opportunity Dryland (State) \$ 3,145 per acre @ 3.00% 94.35 Real Estate Taxes \$ 3,145 per acre @ 1.00% 31.45 Total Cost per Acre Including Overhead 317.26 | Interest on C | perations Capital \$ 141.66 | cash expe | ense @ | 5.50% for 6.0 mo. | | 3.90 | |
| Real Estate OpportunityDryland (State)\$ 3,145per acre @3.00%94.35Real Estate Taxes\$ 3,145per acre @1.00%31.45Total Cost per Acre Including Overhead317.26 | Total Operating and Use Related | Ownership Costs | ŕ | | | = | 171.46 | |
| Real Estate Taxes\$ 3,145per acre @1.00%31.45Total Cost per Acre Including Overhead317.26 | Overhead (accounting, liability in | surance, vehicle cost, office exp | bense) | | | | 20.00 | |
| Total Cost per Acre Including Overhead 317.26 | Real Estate Opportunity | Dryland (State) | \$ 3,145 | per acre (| a 3.00% | | 94.35 | |
| | Real Estate Taxes | | \$ 3,145 | per acre (| a 1.00% | _ | 31.45 | |
| | Total Cost per Acre Including Ov | erhead | | | | - | 317.26 | |
| Cost per bu 7.93 | Cost per bu | | | | | | 7.93 | |
| Cash Cost per bu 3.64 | Cash Cost per bu | | | | | | 3.64 | |

2018 Budget 56-Soybeans, Roundup Ready®, No Till, after Corn~ (45 bu Actual Yield) Dryland

| | | Times | Lahar @ | Fuel @ \$2.45 | Repa | airs | Owne | rship | | Your |
|---|---------------------------------|-----------|-----------------------------|---------------|-------|------|-------|-------|-------|----------|
| | Field Operations | | Labor @ Unit \$20.00 /Hr | | Power | Imp. | Power | Imp. | Total | Estimate |
| 1 | Spray Spring Burndown Herbicide | 1 | 1.00 | 0.30 | 0.35 | 0.64 | 1.08 | 0.81 | 4.18 | |
| 2 | Spray Herbicide | 1 | 1.00 | 0.30 | 0.35 | 0.29 | 1.08 | 0.04 | 3.06 | |
| 3 | Plant No-Till | 1 | 2.40 | 0.95 | 0.86 | 4.41 | 2.70 | 6.13 | 17.45 | |
| 4 | Spray Herbicide | 1 | 1.00 | 0.30 | 0.35 | 0.29 | 1.08 | 0.04 | 3.06 | |
| 5 | Aerial Spray | Custom | | | | | | | | |
| 6 | Combine Dryland SB | 1 | 3.38 | 4.55 | 7.87 | 1.11 | 6.29 | 2.65 | 25.85 | |
| 7 | Truck | Custom | | | | | | | | |
| | Total for Field O | perations | 8.78 | 6.40 | 9.78 | 6.74 | 12.23 | 9.67 | 53.60 | |

| | | | Percent | | | | |
|--|---------------------------------|-----------|----------|------------------|---------|--------|----------|
| | | Operation | Acres | Application | Applied | | Your |
| Materials & Services | | Index | Applied | Rate Unit | Price | Total | Estimate |
| Glyphosate w/Surfactant | Herbicide | 1 | 100% | 32 ounce | 0.12 | 3.75 | |
| 2,4-D Ester LV4 | Herbicide | 1 | 100% | 1 pint | 2.13 | 2.13 | |
| 21-0-0-24S | Additive | 1 | 100% | 1.7 pound | 0.28 | 0.48 | |
| Valor XLT | Herbicide | 2 | 100% | 3 ounce | 5.75 | 17.25 | |
| 2,4-D Ester LV4 | Herbicide | 2 | 100% | 1 pint | 2.13 | 2.13 | |
| Glyphosate w/Surfactant | Herbicide | 2 | 100% | 32 ounce | 0.12 | 3.75 | |
| 21-0-0-24S | Additive | 2 | 100% | 1.7 pound | 0.28 | 0.48 | |
| RR2 Soybeans | Seed | 3 | 100% | 1 bag | 50.00 | 50.00 | |
| Glyphosate w/Surfactant | Herbicide | 4 | 100% | 32 ounce | 0.12 | 3.75 | |
| Select Max | Herbicide | 4 | 100% | 6 ounce | 0.86 | 5.16 | |
| 21-0-0-24S | Additive | 4 | 100% | 1.7 pound | 0.28 | 0.48 | |
| Aerial Spray | Custom | 5 | 20% | 1 acre | 10.00 | 2.00 | |
| Warrior II/Zeon | Insecticide | 5 | 20% | 1.6 ounce | 2.89 | 0.93 | |
| Haul Grain Bushels | Custom | 6 | 100% | 45 bushel | 0.11 | 0.00 | |
| Scouting Dryland Soybeans | Scouting | | 100% | 1 acre | 7.00 | 7.00 | |
| | Crop Insurance | | | | 12.68 | 12.68 | |
| Total Materials & | z Services | | | | | 111.97 | |
| * Insecticide for Aphids and Caterpillars | | | | | | | |
| Total listed costs for Field Operation | ons and Materials & Servio | ces | | | | 165.57 | |
| Interest on O | perations Capital \$ 143.67 | cash expe | ense @ | 5.50% for 6.0 mo | | 3.95 | |
| Total Operating and Use Related O | Ownership Costs | | | | - | 169.52 | |
| Overhead (accounting, liability ins | surance, vehicle cost, office e | expense) | | | | 20.00 | |
| Real Estate Opportunity | Dryland (State) | \$ 3,145 | per acre | @ 3.00% | | 94.35 | |
| Real Estate Taxes | | \$ 3,145 | per acre | | | 31.45 | |
| Total Cost per Acre Including Ove | rhead | | - | | = | 315.32 | |
| | | | | | | 7.01 | |
| Cost per bu | | | | | | 7.01 | |

2018 Budget 57-Soybeans, Roundup Ready®, No Till, Continuous (40 bu Actual Yield) Dryland

| | | | | | Repa | airs | Owne | rship | | |
|---|---------------------------------|-----------|------------------|---------------|-------|------|-------|-------|-------|----------|
| | | Times | Labor @ | Fuel @ \$2.45 | - | | | - | | Your |
| | Field Operations | or Qty | Unit \$20.00 /Hr | and Lube | Power | Imp. | Power | Imp. | Total | Estimate |
| 1 | Spray Spring Burndown Herbicide | 1 | 1.00 | 0.30 | 0.35 | 0.64 | 1.08 | 0.81 | 4.18 | |
| 2 | Plant No-Till | 1 | 2.40 | 0.95 | 0.86 | 4.41 | 2.70 | 6.13 | 17.45 | |
| 3 | Spray Herbicide | 1 | 1.00 | 0.30 | 0.35 | 0.29 | 1.08 | 0.04 | 3.06 | |
| 4 | Aerial Spray | Custom | | | | | | | | |
| 5 | Combine Dryland SB | 1 | 3.38 | 4.55 | 7.87 | 1.11 | 6.29 | 2.65 | 25.85 | |
| 6 | Truck | Custom | | | | | | | | |
| | Total for Field O | perations | 7.78 | 6.10 | 9.43 | 6.45 | 11.15 | 9.63 | 50.54 | |

| | | | Percent | Application | | | |
|---|----------------------------------|-----------|------------|--------------------|---------|--------|----------|
| Materials & Services | | Operation | Acres | Rate Unit | Applied | Total | Your |
| | | Index | Applied | | Price | | Estimate |
| Valor XLT | Herbicide | 1 | 100% | 3 ounce | 5.75 | 17.25 | |
| 2,4-D Ester LV4 | Herbicide | 1 | 100% | 1 pint | 2.13 | 2.13 | |
| Glyphosate w/Surfactant | Herbicide | 1 | 100% | 32 ounce | 0.12 | 3.75 | |
| 21-0-0-24S | Additive | 1 | 100% | 1.7 pound | 0.28 | 0.48 | |
| RR2 Soybeans | Seed | 2 | 100% | 1 bag | 50.00 | 50.00 | |
| Glyphosate w/Surfactant | Herbicide | 3 | 100% | 32 ounce | 0.12 | 3.75 | |
| 21-0-0-24S | Additive | 3 | 100% | 1.7 pound | 0.28 | 0.48 | |
| * Aerial Spray | Custom | 4 | 20% | 1 acre | 10.00 | 2.00 | |
| * Warrior II/Zeon | Insecticide | 4 | 20% | 1.6 ounce | 2.89 | 0.93 | |
| Haul Grain Bushels | Custom | 6 | 100% | 40 bushel | 0.11 | 4.40 | |
| Scouting Dryland Soybeans | Scouting | | 100% | 1 acre | 7.00 | 7.00 | |
| | Crop Insurance | | | | 12.68 | 12.68 | |
| Total Materials | & Services | | | | | 104.85 | |
| * Insecticide for Aphids and Caterpillars | | | | | | | |
| Total listed costs for Field Operat | | rices | | | | 155.39 | |
| Interest on C | Operations Capital \$ 134.61 | cash expe | ense @ | 5.50%~ for 6.0 mo. | _ | 3.70 | |
| Total Operating and Use Related | Ownership Costs | | | | - | 159.09 | - |
| Overhead (accounting, liability in | nsurance, vehicle cost, office e | xpense) | | | | 20.00 | |
| Real Estate Opportunity | Dryland (State) | \$ 3,145 | per acre | ^a 3.00% | | 94.35 | |
| Real Estate Taxes | | \$ 3,145 | per acre @ | <u>n</u> 1.00% | _ | 31.45 | |
| Total Cost per Acre Including Ov | rerhead | | | | = | 304.89 | |
| Cost per bu | | | | | | 7.62 | |
| Cash Cost per bu | | | | | | 3.46 | |
| | | | | | | | |

~Cost to replace P_2O_5 - 0.8 lbs/bushel of yield produced

2018 Budget 58-Soybeans, Roundup Ready® , Conventional Tillage, after Corn[~] (62 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 9 acre/inches

| | | Times | | Labor @ | Fuel @ \$2.45 | Rep | airs | Owne | rship | | Your |
|----|-------------------|-----------------------------------|------|-------------|---------------|-------|-------|-------|-------|--------|----------|
| | Field Operations | | Unit | \$20.00 /Hr | | Power | Imp. | Power | Imp. | Total | Estimate |
| 1 | Disk | 1 | | 2.02 | 2.14 | 0.30 | 1.27 | 4.04 | 1.14 | 10.91 | |
| 2 | Field Cultivation | 1 | | 1.47 | 1.54 | 0.58 | 1.33 | 1.80 | 1.51 | 8.23 | |
| 3 | Spray Herbicide | 1 | | 1.00 | 0.30 | 0.35 | 0.29 | 1.08 | 0.04 | 3.06 | |
| 4 | Plant | 1 | | 2.40 | 0.77 | 0.86 | 2.54 | 2.70 | 3.53 | 12.80 | |
| 5 | Pivot D 125' Lift | 9 | ai | 6.25 | 47.05 | 3.09 | 14.53 | 4.13 | 7.97 | 83.02 | |
| 6 | Spray Herbicide | 1 | | 1.00 | 0.30 | 0.35 | 0.29 | 1.08 | 0.04 | 3.06 | |
| 7 | Aerial Spray | Custom | | | | | | | | | |
| 8 | Aerial Spray | Custom | | | | | | | | | |
| 9 | Combine Irr SB | 1 | | 3.67 | 4.93 | 8.53 | 1.33 | 6.81 | 2.65 | 27.92 | |
| 10 | Truck | Custom | | | | | | | | | |
| | | Total for Field Operations | | 17.81 | 57.03 | 14.06 | 21.58 | 21.64 | 16.88 | 149.00 | |

| | | | Percent | Application | | | |
|---|----------------------------------|-----------|-----------|-------------------|---------|--------------|----------|
| | | Operation | Acres | | Applied | T () | Your |
| Materials & Services | | Index | Applied | Rate Unit | Price | Total | Estimate |
| Valor XLT | Herbicide | 3 | 100% | 3 ounce | 5.75 | 17.25 | |
| RR2 Soybeans | Seed | 4 | 100% | 1 bag | 50.00 | 50.00 | |
| Glyphosate w/Surfactant | Herbicide | 6 | 100% | 32 ounce | 0.12 | 3.75 | |
| Select Max | Herbicide | 6 | 100% | 6 ounce | 0.86 | 5.16 | |
| 21-0-0-24S | Additive | 6 | 100% | 1.7 pound | 0.28 | 0.48 | |
| * Aerial Spray | Custom | 7 | 20% | 1 acre | 10.00 | 2.00 | |
| * Warrior II/Zeon | Insecticide | 7 | 20% | 1.6 ounce | 2.89 | 0.93 | |
| Aerial Spray | Custom | 8 | 20% | 1 acre | 10.00 | 2.00 | |
| Priaxor | Fungicide | 8 | 20% | 4 ounce | 5.47 | 4.38 | |
| Haul Grain Bushels | Custom | 10 | 100% | 62 bushel | 0.11 | 6.82 | |
| Scouting Irrigated Soybeans | Scouting | | 100% | 1 acre | 9.00 | 9.00 | |
| | Crop Insurance | | | | 4.60 | 4.60 | |
| Total Materials & | k Services | | | | | 106.37 | |
| * Insecticide for Aphids and Caterpillars | | | | | | | |
| Total listed costs for Field Operati | ons and Materials and Servi | ces | | | | 255.37 | |
| Interest on O | perations Capital \$ 216.85 | cash exp | ense @ | 5.50% for 6.0 mo. | | 5.96 | |
| Total Operating and Use Related | Ownership Costs | | | | = | 261.33 | |
| Overhead (accounting, liability in | surance, vehicle cost, office ex | pense) | | | | 20.00 | |
| Real Estate Opportunity | Pivot (State) | \$ 6,295 | per acre | ā 3.00% | | 188.85 | |
| Real Estate Taxes | | \$ 6,295 | per acre | | | 62.95 | |
| Total Cost per Acre Including Ove | erhead | , | I · ····· | | = | 533.13 | |
| Cost per bu | | | | | | 8.60 | |
| Cash Cost per bu | | | | | | 3.59 | |
| ~~ | 1 | | | | | | |

2018 Budget 59-Soybeans, Roundup Ready®, Conventional Tillage, after Corn[~] (65 bu Actual Yield) Gravity Irrigated, fed by a well, 1,000 GPM 10 PSI, 12 acre/inches

| | | Times | | Labor @ | Fuel @ \$2.45 | Repa | airs | Owne | rship | | Your |
|----|---------------------------------|-----------|------|-------------|---------------|-------|-------|-------|-------|--------|----------|
| | Field Operations | or Qty | Unit | \$20.00 /Hr | | Power | Imp. | Power | Imp. | Total | Estimate |
| 1 | Spray Spring Burndown Herbicide | 1 | | 1.00 | 0.30 | 0.35 | 0.64 | 1.08 | 0.81 | 4.18 | |
| 2 | Ridge Plant and Band Herbicide | 1 | | 2.40 | 0.96 | 0.86 | 6.89 | 2.70 | 4.27 | 18.08 | |
| 3 | Ridge Cultivation | 1 | | 2.00 | 1.50 | 0.86 | 0.89 | 2.70 | 1.01 | 8.96 | |
| 4 | Ridge Cultivate/Ditch | 1 | | 1.83 | 1.25 | 0.72 | 0.37 | 2.25 | 1.52 | 7.94 | |
| 5 | Pipe D 125' Lift | 12 | ai | 22.22 | 45.53 | 3.29 | 2.28 | 5.43 | 3.71 | 82.46 | |
| 6 | Spray Herbicide | 0.5 | | 0.50 | 0.15 | 0.17 | 0.14 | 0.54 | 0.02 | 1.52 | |
| 7 | Aerial Spray | Custom | | | | | | | | | |
| 8 | Aerial Spray | Custom | | | | | | | | | |
| 9 | Combine Irr SB | 1 | | 3.67 | 4.93 | 8.53 | 1.33 | 6.81 | 2.65 | 27.92 | |
| 10 | Truck | Custom | | | | | | | | | |
| | Total for Field O | perations | | 33.62 | 54.62 | 14.78 | 12.54 | 21.51 | 13.99 | 151.06 | |

| Materials & Services | | Operation Index | Percent Acres Applied | Application Rate Unit | Applied Price | Total | Your Estimate |
|---|----------------------------------|--------------------|-----------------------------|--------------------------|------------------|--------|------------------|
| Glyphosate w/Surfactant | Herbicide | 1 | 100% | 32 ounce | 0.12 | 3.75 | |
| 2,4-D Ester LV4 | Herbicide | 1 | 100% | 1 pint | 2.13 | 2.13 | |
| 21-0-0-24S | Additive | 2 | 100% | 1.7 pound | 0.28 | 0.48 | |
| Valor XLT | Herbicide | 2 | 33% | 3 ounce | 5.75 | 5.69 | |
| RR2 Soybeans | Seed | 2 | 100% | 1 bag | 50.00 | 50.00 | |
| Glyphosate w/Surfactant | Herbicide | 6 | 50% | 32 ounce | 0.12 | 1.88 | |
| 21-0-0-24S | Additive | 6 | 50% | 1.7 pound | 0.28 | 0.24 | |
| Select Max | Herbicide | 6 | 40% | 6 ounce | 0.86 | 2.06 | |
| Crop Oil Concentrate | Additive | 6 | 40% | 2 pint | 1.04 | 0.83 | |
| * Aerial Spray | Custom | 7 | 20% | 1 acre | 10.00 | 2.00 | |
| * Warrior II/Zeon | Insecticide | 7 | 20% | 1.6 ounce | 2.89 | 0.93 | |
| Aerial Spray | Custom | 8 | 20% | 1 acre | 10.00 | 2.00 | |
| Stratego YLD | Fungicide | 8 | 20% | 4 ounce | 4.45 | 3.56 | |
| Haul Grain Bushels | Custom | 10 | 100% | 65 bushel | 0.11 | 7.15 | |
| Scouting Irrigated Soybeans | Scouting | | 100% | 1 acre | 9.00 | 9.00 | |
| | Crop Insurance | | | | 4.60 | 4.60 | |
| Total Materials & | & Services | | | | | 96.30 | |
| * Insecticide for Aphids and Caterpillars | | | | | | | |
| Total listed costs for Field Operation | ions and Materials and Servi | ices | | | | 247.36 | |
| Interest on O | Operations Capital \$ 211.86 | cash expe | ense @ | 5.50% for 6.0 mo. | _ | 5.83 | |
| Total Operating and Use Related | Ownership Costs | | | | = | 253.19 | |
| Overhead (accounting, liability in | surance, vehicle cost, office ex | xpense) | | | | 20.00 | |
| Real Estate Opportunity | Gravity (State) | \$ 6,070 | per acre | a 3.00% | | 182.10 | |
| Real Estate Taxes |) (2) | \$ 6,070 | per acre | | | 60.70 | |
| Total Cost per Acre Including Ove | erhead | | - | | = | 515.99 | |
| Cost per bu | | | | | | 7.94 | |
| Cash Cost per bu | | | | | | 3.35 | |
| | | | | | | | |

2018 Budget 60-Soybeans, Roundup Ready2® Xtend Treated, No Till, after Corn[~] (70 bu Actual Yield) Pivot Irrigated Diesel, 800 GPM 35 PSI, 6 acre/inches

| | | Times | | Labor @ | Fuel @ \$2.45 | Repa | airs | Owne | rship | | Your |
|---|---------------------------------|-----------|------|-------------|---------------|-------|-------|-------|-------|--------|----------|
| | Field Operations | or Qty | Unit | \$20.00 /Hr | | Power | Imp. | Power | Imp. | Total | Estimate |
| 1 | Spray Spring Burndown Herbicide | 1 | | 1.00 | 0.30 | 0.35 | 0.64 | 1.08 | 0.81 | 4.18 | |
| 2 | Plant Narrow Row | 1 | | 2.40 | 0.73 | 0.86 | 2.54 | 2.70 | 3.53 | 12.76 | |
| 3 | Spray Herbicide | 1 | | 1.00 | 0.30 | 0.35 | 0.29 | 1.08 | 0.04 | 3.06 | |
| 4 | Aerial Spray | Custom | | | | | | | | | |
| 5 | Aerial Spray | Custom | | | | | | | | | |
| 6 | Pivot D 125' Lift | 6 | ai | 4.17 | 31.37 | 2.06 | 9.68 | 2.75 | 5.32 | 55.35 | |
| 7 | Combine Irr SB | 1 | | 3.67 | 4.93 | 8.53 | 1.33 | 6.81 | 2.65 | 27.92 | |
| 8 | Truck | Custom | | | | | | | | | |
| | Total for Field O | perations | | 12.24 | 37.63 | 12.15 | 14.48 | 14.42 | 12.35 | 103.27 | |

| Materials & Services | | Operation Index | Percent Acres Applied | Application Rate Unit | Applied Price | Total | Your Estimate |
|--|--|--------------------|-----------------------------|--------------------------|------------------|----------------|------------------|
| Glyphosate w/Surfactant | Herbicide | 1 | 100% | 32 ounce | 0.12 | 3.75 | |
| 2,4-D Ester LV4 | Herbicide | 1 | 100% | 1 pint | 2.13 | 2.13 | |
| 21-0-0-24S | Additive | 1 | 100% | 1.7 pound | 0.28 | 0.48 | |
| Valor XLT | Herbicide | 1 | 100% | 3 ounce | 5.75 | 17.25 | |
| RR2 Soybeans Xtend Treated | Seed | 2 | 100% | 1 bag | 77.00 | 77.00 | |
| Engenia | Herbicide | 3 | 100% | 12.8 ounce | 0.94 | 12.00 | |
| Glyphosate w/Surfactant | Herbicide | 3 | 100% | 32 ounce | 0.12 | 3.75 | |
| Select Max | Herbicide | 3 | 100% | 6 ounce | 0.86 | 5.16 | |
| Approved adjuvant | Additive | 3 | 100% | 1 acre | 2.50 | 2.50 | |
| * Aerial Spray | Custom | 4 | 20% | 1 acre | 10.00 | 2.00 | |
| * Warrior II/Zeon | Insecticide | 4 | 20% | 1.6 ounce | 2.89 | 0.93 | |
| Aerial Spray | Custom | 5 | 20% | 1 acre | 10.00 | 2.00 | |
| Quilt Xcel | Fungicide | 5 | 20% | 10.5 ounce | 1.64 | 3.45 | |
| Haul Grain Bushels | Custom | 8 | 100% | 70 bushel | 0.11 | 7.70 | |
| Scouting Irrigated Soybeans | Scouting | | 100% | 1 acre | 9.00 | 9.00 | |
| | Crop Insurance | | | | 4.68 | 4.68 | |
| Total Materials & | & Services | | | | | 153.78 | _ |
| * Insecticide for Aphids and Caterpillars Total listed costs for Field Operati Interest on O | ons and Materials and Ser perations Capital \$ 230.28 | | ense @ | 5.50% for 6.0 mo. | | 257.05 6.33 | |
| Total Operating and Use Related (| | Ĩ | | | = | 263.38 | |
| Overhead (accounting, liability ins | surance, vehicle cost, office of | expense) | | | | 20.00 | |
| Real Estate Opportunity | Pivot (State) | \$ 6,295 | per acre | @ 3.00% | | 188.85 | |
| Real Estate Taxes | | \$ 6,295 | per acre | @ 1.00% | | 62.95 | |
| Total Cost per Acre Including Ove | erhead | | | | = | 535.18 | |
| Cost per bu Cash Cost per bu | | | | | | 7.65 3.38 | |

2018 Budget 61-Soybeans, Roundup Ready®, No Till, Narrow Row, Continuous[~] (59 bu Actual Yield) Pivot Irrigated Diesel, 800 GPM 35 PSI, 6 acre/inches

| | | Times | | Labor @ | Fuel @ \$2.45 | Repairs | | Ownership | | | Your |
|---|---------------------------------|-----------|------|-------------|---------------|---------|-------|-----------|-------|--------|----------|
| | Field Operations | or Qty | Unit | \$20.00 /Hr | | Power | Imp. | Power | Imp. | Total | Estimate |
| 1 | Spray Spring Burndown Herbicide | 1 | | 1.00 | 0.30 | 0.35 | 0.64 | 1.08 | 0.81 | 4.18 | |
| 2 | Plant Narrow Row | 1 | | 2.40 | 0.73 | 0.86 | 2.54 | 2.70 | 3.53 | 12.76 | |
| 3 | Spray Herbicide | 1 | | 1.00 | 0.30 | 0.35 | 0.29 | 1.08 | 0.04 | 3.06 | |
| 4 | Aerial Spray | Custom | | | | | | | | | |
| 5 | Aerial Spray | Custom | | | | | | | | | |
| 6 | Pivot D 125' Lift | 6 | ai | 4.17 | 31.37 | 2.06 | 9.68 | 2.75 | 5.32 | 55.35 | |
| 7 | Combine Irr SB | 1 | | 3.67 | 4.93 | 8.53 | 1.33 | 6.81 | 2.65 | 27.92 | |
| 8 | Truck | Custom | | | | | | | | | |
| | Total for Field O | perations | | 12.24 | 37.63 | 12.15 | 14.48 | 14.42 | 12.35 | 103.27 | |

| | | Operation | Percent Acres | Application | Applied | | Your |
|--|--------------------------------|-------------|------------------|------------------|---------|--------|----------|
| Materials & Services | | Index | Applied | Rate Unit | Price | Total | Estimate |
| Glyphosate w/Surfactant | Herbicide | 1 | 100% | 32 ounce | 0.12 | 3.75 | |
| 2,4-D Ester LV4 | Herbicide | 1 | 100% | 1 pint | 2.13 | 2.13 | |
| 21-0-0-24S | Additive | 1 | 100% | 1.7 pound | 0.28 | 0.48 | |
| Valor XLT | Herbicide | 1 | 100% | 3 ounce | 5.75 | 17.25 | |
| RR2 Soybeans Treated | Seed | 2 | 100% | 1 bag | 62.00 | 62.00 | |
| Glyphosate w/Surfactant | Herbicide | 3 | 50% | 32 ounce | 0.12 | 1.88 | |
| 21-0-0-24S | Additive | 3 | 50% | 1.7 pound | 0.28 | 0.24 | |
| Aerial Spray | Custom | 4 | 20% | 1 acre | 10.00 | 2.00 | |
| Warrior II/Zeon | Insecticide | 4 | 20% | 1.6 ounce | 2.89 | 0.93 | |
| Aerial Spray | Custom | 5 | 20% | 1 acre | 10.00 | 2.00 | |
| Priaxor | Fungicide | 5 | 20% | 4 ounce | 5.47 | 4.38 | |
| Haul Grain Bushels | Custom | 8 | 100% | 59 bushel | 0.11 | 6.49 | |
| Scouting Irrigated Soybeans | Scouting | | 100% | 1 acre | 9.00 | 9.00 | |
| | Crop Insurance | | | | 4.53 | 4.53 | |
| Total Materials | & Services | | | | | 117.06 | |
| * Insecticide for Aphids and Caterpillars | | | | | | | |
| Total listed costs for Field Operat | tions and Materials and Ser | vices | | | | 220.33 | |
| Interest on C | Operations Capital \$ 193.56 | 6 cash expe | ense @ | 5.50% for 6.0 mo | | 5.32 | |
| Total Operating and Use Related | Ownership Costs | | | | - | 225.65 | |
| Overhead (accounting, liability in | nsurance, vehicle cost, office | expense) | | | | 20.00 | |
| Real Estate Opportunity | Pivot (State) | \$ 6,295 | per acre | 3.00% | | 188.85 | |
| Real Estate Taxes | | \$ 6,295 | per acre @ | 1.00% | | 62.95 | |
| Total Cost per Acre Including Ov | verhead | | | | = | 497.45 | |
| Cost per bu | | | | | | 8.43 | |
| | | | | | | | |

~Cost to replace P_2O_5 - 0.8 lbs/bushel of yield produced

2018 Budget 62-Soybeans, Roundup Ready2® Xtend, No Till Drilled 7.5-inch Rows, after Corn[~] (73 bu Actual Yield) Pivot Irrigated Diesel, 800 GPM 35 PSI, 6 acre/inches

| | | Times | | Labor @ | Fuel @ \$2.45 | Repairs | | Ownership | | | Your |
|---|---------------------------------|-----------|------|-------------|---------------|---------|-------|-----------|-------|--------|----------|
| | Field Operations | or Qty | Unit | \$20.00 /Hr | | Power | Imp. | Power | Imp. | Total | Estimate |
| 1 | Spray Spring Burndown Herbicide | 1 | | 1.00 | 0.30 | 0.35 | 0.64 | 1.08 | 0.81 | 4.18 | |
| 2 | No-Till Drill | 1 | | 1.83 | 1.43 | 0.72 | 1.57 | 2.25 | 3.21 | 11.01 | |
| 3 | Spray Herbicide | 1 | | 1.00 | 0.30 | 0.35 | 0.29 | 1.08 | 0.04 | 3.06 | |
| 4 | Aerial Spray | Custom | | | | | | | | | |
| 5 | Aerial Spray | Custom | | | | | | | | | |
| 6 | Pivot D 125' Lift | 6 | ai | 4.17 | 31.37 | 2.06 | 9.68 | 2.75 | 5.32 | 55.35 | |
| 7 | Combine Irr SB | 1 | | 3.67 | 4.93 | 8.53 | 1.33 | 6.81 | 2.65 | 27.92 | |
| 8 | Truck | Custom | | | | | | | | | |
| | Total for Field O | perations | | 11.67 | 38.33 | 12.01 | 13.51 | 13.97 | 12.03 | 101.52 | |

| Materials & Services | | Operation Index | Percent Acres Applied | Application Rate Unit | Applied Price | Total | Your Estimate | | |
|--|---|--------------------|-----------------------------|--------------------------|------------------|----------------|------------------|--|--|
| Glyphosate w/Surfactant | Herbicide | 1 | 100% | 32 ounce | 0.12 | 3.75 | | | |
| 2,4-D Ester LV4 | Herbicide | 1 | 100% | 1 pint | 2.13 | 2.13 | | | |
| 21-0-0-24S | Additive | 1 | 100% | 1.7 pound | 0.28 | 0.48 | | | |
| Valor XLT | Herbicide | 1 | 100% | 3 ounce | 5.75 | 17.25 | | | |
| RR2 Soybeans Xtend Treated | Seed | 2 | 100% | 1 bag | 77.00 | 77.00 | | | |
| FeXapan | Herbicide | 3 | 100% | 22 ounce | 0.55 | 12.03 | | | |
| Glyphosate w/Surfactant | Herbicide | 3 | 100% | 32 ounce | 0.12 | 3.75 | | | |
| Select Max | Herbicide | 3 | 100% | 6 ounce | 0.86 | 5.16 | | | |
| Approved adjuvant | Additive | 3 | 100% | 1 acre | 2.50 | 2.50 | | | |
| * Aerial Spray | Custom | 4 | 20% | 1 acre | 10.00 | 2.00 | | | |
| * Warrior II/Zeon | Insecticide | 4 | 20% | 1.6 ounce | 2.89 | 0.93 | | | |
| Aerial Spray | Custom | 5 | 20% | 1 acre | 10.00 | 2.00 | | | |
| Stratego YLD | Fungicide | 5 | 20% | 4 ounce | 4.45 | 3.56 | | | |
| Haul Grain Bushels | Custom | 8 | 100% | 73 bushel | 0.11 | 8.03 | | | |
| Scouting Irrigated Soybeans | Scouting | | 100% | 1 acre | 9.00 | 9.00 | | | |
| | Crop Insurance | | | | 4.68 | 4.68 | | | |
| Total Materials & | & Services | | | | | 154.25 | | | |
| · · | secticide for Aphids and Caterpillars tal listed costs for Field Operations and Materials and Services | | | | | | | | |
| - | perations Capital \$ 229.77 | | ense @ | 5.50% for 6.0 mo | | 255.77 6.32 | | | |
| Total Operating and Use Related (| | 1 | | | = | 262.09 | | | |
| Overhead (accounting, liability ins | surance, vehicle cost, office e | expense) | | | | 20.00 | | | |
| Real Estate Opportunity | Pivot (State) | \$ 6,295 | per acre | @ 3.00% | | 188.85 | | | |
| Real Estate Taxes | | \$ 6,295 | per acre | @ 1.00% | | 62.95 | | | |
| Total Cost per Acre Including Ove | erhead | | × | | = | 533.89 | | | |
| Cost per bu | | | | | | 7.31 | | | |
| Cash Cost per bu | | | | | | 3.23 | | | |