

(Revised November 2016)

2017 Nebraska Crop Budgets

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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.

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2017 Budget 50-Soybeans, Tilled Seed Bed, Roundup Ready after Corn^\sim (40 bu Actual Yield) Dryland

| | | | | | Rep | airs | Owne | rship | | |
|---|--------------------|----------------------|-------------|---------------|-------|------|-------|-------|-------|----------|
| | | Times | Labor @ | Fuel @ \$2.25 | • | | | • | | Your |
| | Field Operations | or Qty Unit | \$20.00 /Hr | and Lube | Power | Imp. | Power | Imp. | Total | Estimate |
| 1 | Disk | 1 | 2.02 | 1.97 | 0.30 | 1.27 | 4.32 | 1.23 | 11.11 | |
| 2 | Field Cultivation | 1 | 1.47 | 1.41 | 0.58 | 1.33 | 1.91 | 1.64 | 8.34 | |
| 3 | Spray | 1 | 1.00 | 0.27 | 0.35 | 0.64 | 1.15 | 0.88 | 4.29 | |
| 4 | Plant | 1 | 2.40 | 0.71 | 0.86 | 2.54 | 2.87 | 3.89 | 13.27 | |
| 5 | Spray | 1 | 1.00 | 0.27 | 0.35 | 0.64 | 1.15 | 0.88 | 4.29 | |
| 6 | Aerial Spray | Custom | | | | | | | | |
| 7 | Combine Dryland SB | 1 | 3.38 | 4.18 | 7.87 | 1.11 | 6.45 | 2.84 | 25.83 | |
| 8 | Truck | Custom | | | | | | | | |
| | Total | for Field Operations | 11.27 | 8.81 | 10.31 | 7.53 | 17.85 | 11.36 | 67.13 | |

| Materials & Services | | Operation Index | Percent Acres Applied | Application Rate Unit | Applied Price | Total | Your Estimate |
|---|---------------------------------|--------------------|-----------------------------|-----------------------|------------------|--------|------------------|
| Valor XLT | Herbicide | 3 | 100% | 3 ounce | 5.75 | 17.25 | |
| RR Soybeans | Seed | 4 | 100% | 1 bag | 50.00 | 50.00 | |
| Glyphosate w/Surf | Herbicide | 5 | 100% | 32 ounce | 0.10 | 3.13 | |
| Select Max | Herbicide | 5 | 100% | 6 ounce | 0.86 | 5.16 | |
| 21-0-0-24S | Additive | 5 | 100% | 1.7 pound | 0.35 | 0.60 | |
| * Aerial Spray | Custom | 6 | 20% | 1 acre | 10.00 | 2.00 | |
| * Warrior II/Zeon | Insecticide | 6 | 20% | 1.6 ounce | 2.97 | 0.95 | |
| 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 | 0.00 | |
| Total Materials & | Services | | | | | 90.49 | |
| * Insecticide for Aphids and Caterpillars | | | | | | | |
| Total listed costs for Field Operation | ons and Materials and Serv | ices | | | | 157.62 | |
| Interest on O | perations Capital \$ 128.41 | cash expe | ense @ | 5.50% for 6.0 mo. | <u>_</u> | 3.53 | |
| Total Operating and Use Related O | Ownership Costs | | | | - | 161.15 | |
| Overhead (accounting, liability ins | surance, vehicle cost, office e | xpense) | | | | 20.00 | |
| Real Estate Opportunity | Dryland (State) | \$ 3,470 | per acr | re @ 4.00% | | 138.80 | |
| Real Estate Taxes | | \$ 3,470 | per acr | re @ 1.00% | _ | 34.70 | |
| Total Cost per Acre Including Ove | rhead | | | | = | 354.65 | |
| Cost per bu | | | | | | 8.87 | |
| Cash Cost per bu | | | | | | 4.17 | |

[~]See benefits of soybeans in a corn/soybean rotation

2017 Budget 51-Soybeans, No-Till, Roundup Ready after Corn^\sim (45 bu Actual Yield) Dryland

| | | | | | Rep | airs | Owne | rship | | |
|---|---------------------------------|-----------------|-----------------------------|---------------------------|-------|------|-------|-------|-------|------------------|
| | Field Operations | Times or Qty | Labor @ Unit \$20.00 /Hr | Fuel @ \$2.25 and Lube | Power | Imp. | Power | Imp. | Total | Your Estimate |
| 1 | Spray Spring Burndown Herbicide | 1 | 1.00 | 0.27 | 0.35 | 0.64 | 1.15 | 0.88 | 4.29 | |
| 2 | Spray | 1 | 1.00 | 0.27 | 0.35 | 0.64 | 1.15 | 0.88 | 4.29 | |
| 3 | Plant No-Till | 1 | 2.40 | 0.87 | 0.86 | 4.41 | 2.87 | 6.77 | 18.18 | |
| 4 | Spray | 1 | 1.00 | 0.27 | 0.35 | 0.64 | 1.15 | 0.88 | 4.29 | |
| 5 | Aerial Spray | Custom | | | | | | | | |
| 6 | Combine Dryland SB | 1 | 3.38 | 4.18 | 7.87 | 1.11 | 6.45 | 2.84 | 25.83 | |
| 7 | Truck | Custom | | | | | | | | |
| | Total for Field O | perations | 8.78 | 5.86 | 9.78 | 7.44 | 12.77 | 12.25 | 56.88 | |

| Materials & Services | | Operation Index | Percent Acres Applied | Application Rate Unit | Applied Price | Total | Your Estimate |
|---|-------------------------------|--------------------|-----------------------------|--------------------------|------------------|--------|------------------|
| Glyphosate w/Surf | Herbicide | 1 | 100% | 32 ounce | 0.10 | 3.13 | |
| 2,4-D Ester 4# | Herbicide | 1 | 100% | 1 pint | 2.25 | 2.25 | |
| 21-0-0-24S | Additive | 1 | 100% | 1.7 pound | 0.35 | 0.60 | |
| Valor XLT | Herbicide | 1 | 100% | 3 ounce | 5.75 | 17.25 | |
| 2,4-D Ester 4# | Herbicide | 1 | 100% | 1 pint | 2.25 | 2.25 | |
| Glyphosate w/Surf | Herbicide | 1 | 100% | 32 ounce | 0.10 | 3.13 | |
| 21-0-0-24S | Additive | 1 | 100% | 1.7 pound | 0.35 | 0.60 | |
| RR Soybeans | Seed | 2 | 100% | 1 bag | 50.00 | 50.00 | |
| * Glyphosate w/Surf | Herbicide | 3 | 100% | 32 ounce | 0.10 | 3.13 | |
| * Select Max | Herbicide | 3 | 100% | 6 ounce | 0.86 | 5.16 | |
| 21-0-0-24S | Additive | 3 | 100% | 1.7 pound | 0.35 | 0.60 | |
| Aerial Spray | Custom | 4 | 20% | 1 acre | 10.00 | 2.00 | |
| Warrior II/Zeon | Insecticide | 4 | 20% | 1.6 ounce | 2.97 | 0.95 | |
| 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 | 0.00 | |
| Total Materials & | & Services | | | | | 98.05 | |
| * Insecticide for Aphids and Caterpillars | | | | | | | |
| Total listed costs for Field Operation | | | | | | 154.93 | |
| Interest on C | perations Capital \$ 129.91 | cash expe | ense @ | 5.50% for 6.0 mo. | · _ | 3.57 | |
| Total Operating and Use Related | Ownership Costs | | | | _ | 158.50 | |
| Overhead (accounting, liability in | surance, vehicle cost, office | expense) | | | | 20.00 | |
| Real Estate Opportunity | Dryland (State) | \$ 3,470 | per acr | e @ 4.00% | | 138.80 | |
| Real Estate Taxes | J () | \$ 3,470 | per acr | | | 34.70 | |
| Total Cost per Acre Including Ove | erhead | | 1 | | = | 352.00 | |
| Cost per bu | | | | | | 7.82 | |
| Cash Cost per bu | | | | | | 3.74 | - |

[~]See benefits of soybeans in a corn/soybean rotation

2017 Budget 52-Soybeans, No-Till, Roundup Ready, Continuous $\tilde{}$ (40 bu Actual Yield) Dryland

| | | Times | | Labor @ | Fuel @ \$2.25 | Rep | airs | Owne | rship | | Your |
|---|---------------------------------|-----------|------|-------------|---------------|-------|------|-------|-------|-------|----------|
| | Field Operations | | Unit | \$20.00 /Hr | | Power | Imp. | Power | Imp. | Total | Estimate |
| 1 | Spray Spring Burndown Herbicide | 1 | | 1.00 | 0.27 | 0.35 | 0.64 | 1.15 | 0.88 | 4.29 | <u> </u> |
| 2 | Plant No-Till | 1 | | 2.40 | 0.87 | 0.86 | 4.41 | 2.87 | 6.77 | 18.18 | |
| 3 | Spray | 1 | | 1.00 | 0.27 | 0.35 | 0.64 | 1.15 | 0.88 | 4.29 | |
| 4 | Aerial Spray | Custom | | | | | | | | | |
| 5 | Combine Dryland SB | 1 | | 3.38 | 4.18 | 7.87 | 1.11 | 6.45 | 2.84 | 25.83 | |
| 6 | Truck | Custom | | | | | | | | | |
| | Total for Field O | perations | • | 7.78 | 5 59 | 9.43 | 6.80 | 11.62 | 11.37 | 52.59 | |

| Materials & Services | | Operation Index | Percent Acres Applied | Application Rate Unit | Applied Price | Total | Your Estimate |
|---|----------------------------|--------------------|-----------------------------|-----------------------|------------------|--------|------------------|
| Valor XLT | Herbicide | 1 | 100% | 3 ounce | 5.75 | 17.25 | |
| 2,4-D Ester 4# | Herbicide | 1 | 100% | 1 pint | 2.25 | 2.25 | |
| Glyphosate w/Surf | Herbicide | 1 | 100% | 32 ounce | 0.10 | 3.13 | |
| 21-0-0-24S | Additive | 1 | 100% | 1.7 pound | 0.35 | 0.60 | |
| RR Soybeans | Seed | 2 | 100% | 1 bag | 50.00 | 50.00 | |
| Glyphosate w/Surf | Herbicide | 3 | 100% | 32 ounce | 0.10 | 3.13 | |
| 21-0-0-24S | Additive | 3 | 100% | 1.7 pound | 0.35 | 0.60 | |
| * Aerial Spray | Custom | 4 | 20% | 1 acre | 10.00 | 2.00 | |
| * Warrior II/Zeon | Insecticide | 4 | 20% | 1.6 ounce | 2.97 | 0.95 | |
| 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 | 0.00 | |
| Total Materials & Servi | ces | | | | | 91.31 | |
| * Insecticide for Aphids and Caterpillars | | | | | | | |
| Total listed costs for Field Operations an | d Materials and Servi | ces | | | | 143.90 | |
| Interest on Operatio | ns Capital \$ 120.91 | cash expe | nse @ | 5.50% for 6.0 mo. | _ | 3.33 | |
| Total Operating and Use Related Owners | ship Costs | | | | - | 147.23 | |
| Overhead (accounting, liability insurance | e, vehicle cost, office ex | (pense) | | | | 20.00 | |
| Real Estate Opportunity | Dryland (State) | \$ 3,470 | per acr | e @ 4.00% | | 138.80 | |
| Real Estate Taxes | | \$ 3,470 | per acr | e @ 1.00% | | 34.70 | |
| Total Cost per Acre Including Overhead | | | • | | = | 340.73 | |
| Cost per bu | | | | | | 8.52 | |
| Cash Cost per bu | | | | | | 3.97 | |

[~]Cost to replace P_2O_5 - 0.8 lb/bushel of yield produced

2017 Budget 53-Soybeans, Tilled Seedbed, Roundup Ready after Corn~ (62 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 9 acre/inches

| | | Times | | Labor @ | Fuel @ \$2.25 | Rep | airs | Owne | rship | | Your |
|----|-------------------|-----------------------------------|------|-------------|---------------|-------|-------|-------|-------|--------|----------|
| | Field Operations | | Unit | \$20.00 /Hr | | Power | Imp. | Power | Imp. | Total | Estimate |
| 1 | Disk | 1 | | 2.02 | 1.97 | 0.30 | 1.27 | 4.32 | 1.23 | 11.11 | |
| 2 | Field Cultivation | 1 | | 1.47 | 1.41 | 0.58 | 1.33 | 1.91 | 1.64 | 8.34 | |
| 3 | Spray | 1 | | 1.00 | 0.27 | 0.35 | 0.64 | 1.15 | 0.88 | 4.29 | |
| 4 | Plant | 1 | | 2.40 | 0.71 | 0.86 | 2.54 | 2.87 | 3.89 | 13.27 | |
| 5 | Pivot D 125' Lift | 9 | ai | 6.25 | 43.21 | 3.09 | 14.53 | 4.47 | 8.69 | 80.24 | |
| 6 | Spray | 1 | | 1.00 | 0.27 | 0.35 | 0.64 | 1.15 | 0.88 | 4.29 | |
| 7 | Aerial Spray | Custom | | | | | | | | | |
| 8 | Aerial Spray | Custom | | | | | | | | | |
| 9 | Combine Irr SB | 1 | | 3.67 | 4.53 | 8.53 | 1.33 | 6.99 | 2.84 | 27.89 | |
| 10 | Truck | Custom | | | | | | | | | |
| | | Total for Field Operations | | 17.81 | 52.37 | 14.06 | 22.28 | 22.86 | 20.05 | 149.43 | |

| Materials & Services | | Operation Index | Percent Acres Applied | Application Rate Unit | Applied Price | Total | Your Estimate |
|---|-------------------------------|--------------------|-----------------------------|-----------------------|------------------|--------|------------------|
| Valor XLT | Herbicide | 3 | 100% | 3 ounce | 5.75 | 17.25 | |
| RR Soybeans | Seed | 4 | 100% | 1 bag | 50.00 | 50.00 | |
| Glyphosate w/Surf | Herbicide | 6 | 100% | 32 ounce | 0.10 | 3.13 | |
| Select Max | Herbicide | 6 | 100% | 6 ounce | 0.86 | 5.16 | |
| 21-0-0-24S | Additive | 6 | 100% | 1.7 pound | 0.35 | 0.60 | |
| Aerial Spray | Custom | 7 | 20% | 1 acre | 10.00 | 2.00 | |
| Warrior II/Zeon | Insecticide | 7 | 20% | 1.6 ounce | 2.97 | 0.95 | |
| Aerial Spray | Custom | 8 | 50% | 1 acre | 10.00 | 5.00 | |
| Priaxor | Fungicide | 8 | 50% | 4 ounce | 5.47 | 10.94 | |
| 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 | 0.00 | |
| Total Materials & | & Services | | | | | 110.85 | |
| * Insecticide for Aphids and Caterpillars | | | | | | | |
| Total listed costs for Field Operati | | | | 5.500/ 5.50 | | 260.28 | |
| | perations Capital \$ 217.37 | cash expe | ense @ | 5.50% for 6.0 mo. | = | 5.98 | |
| Total Operating and Use Related | Ownership Costs | | | | | 266.26 | |
| Overhead (accounting, liability in | surance, vehicle cost, office | expense) | | | | 20.00 | |
| Real Estate Opportunity | Pivot (State) | \$ 6,940 | per acre | e @ 4.00% | | 277.60 | |
| Real Estate Taxes | | \$ 6,940 | per acre | 2 @ 1.00% | | 69.40 | |
| Total Cost per Acre Including Ove | erhead | | | | = | 633.26 | |
| Cost per bu | | | | | | 10.21 | |
| Cash Cost per bu | | | | | | 4.72 | |

[~]See benefits of soybeans in a corn/soybean rotation

2017 Budget 54-Soybeans, Ridge Till, Roundup Ready after Corn~ (62 bu Actual Yield) Gravity Irrigated, 1,000 GPM 10 PSI, 12 acre/inches

| | | Tr: | | T -1 @ | E1 @ #2 25 | Rep | airs | Owne | rship | | 3 7 |
|----|---------------------------------|-----------------|------|------------------------|---------------------------|-------|-------|-------|-------|--------|------------------|
| | Field Operations | Times or Qty | Unit | Labor @ \$20.00 /Hr | Fuel @ \$2.25 and Lube | Power | Imp. | Power | Imp. | Total | Your Estimate |
| 1 | Spray Spring Burndown Herbicide | 1 | | 1.00 | 0.27 | 0.35 | 0.64 | 1.15 | 0.88 | 4.29 | |
| 2 | Ridge Plant and Band Herbicide | 1 | | 2.40 | 0.88 | 0.86 | 6.89 | 2.87 | 4.62 | 18.52 | |
| 3 | Ridge Cultivation | 1 | | 2.00 | 1.38 | 0.86 | 0.89 | 2.87 | 1.09 | 9.09 | |
| 4 | Ridge Cultivate/Ditch | 1 | | 1.83 | 1.15 | 0.72 | 0.37 | 2.39 | 1.64 | 8.10 | |
| 5 | Pipe D 125' Lift | 12 | ai | 22.22 | 41.81 | 3.29 | 2.28 | 5.60 | 4.05 | 79.25 | |
| 6 | Spray | 0.5 | | 0.50 | 0.14 | 0.17 | 0.32 | 0.57 | 0.44 | 2.14 | |
| 7 | Aerial Spray | Custom | | | | | | | | | |
| 8 | Aerial Spray | Custom | | | | | | | | | |
| 9 | Combine Irr SB | 1 | | 3.67 | 4.53 | 8.53 | 1.33 | 6.99 | 2.84 | 27.89 | |
| 10 | Truck | Custom | | | | | | | | | |
| | Total for Field O | perations | | 33.62 | 50.16 | 14.78 | 12.72 | 22.44 | 15.56 | 149.28 | |

| Materials & Services | | Operation Index | Percent Acres Applied | Application Rate Unit | Applied Price | Total | Your Estimate |
|---|-----------------------------|--------------------|-----------------------------|--------------------------|------------------|--------|------------------|
| Glyphosate w/Surf | Herbicide | 1 | 100% | 32 ounce | 0.10 | 3.13 | |
| 2,4-D Ester 4# | Herbicide | 1 | 100% | 1 pint | 2.25 | 2.25 | |
| 21-0-0-24S | Additive | 2 | 100% | 1.7 pound | 0.35 | 0.60 | |
| Valor XLT | Herbicide | 2 | 33% | 3 ounce | 5.75 | 5.69 | |
| RR Soybeans | Seed | 2 | 100% | 1 bag | 50.00 | 50.00 | |
| Glyphosate w/Surf | Herbicide | 6 | 50% | 32 ounce | 0.10 | 1.56 | |
| 21-0-0-24S | Additive | 6 | 50% | 1.7 pound | 0.35 | 0.30 | |
| * Select Max | Herbicide | 6 | 40% | 6 ounce | 0.86 | 2.06 | |
| * Crop Oil Concentrate | Additive | 6 | 40% | 2 pint | 1.13 | 0.90 | |
| Aerial Spray | Custom | 7 | 20% | 1 acre | 10.00 | 2.00 | |
| Warrior II/Zeon | Insecticide | 7 | 20% | 1.6 ounce | 2.97 | 0.95 | |
| Aerial Spray | Custom | 8 | 50% | 1 acre | 10.00 | 5.00 | |
| Stratego YLD | Fungicide | 8 | 50% | 4 ounce | 4.69 | 9.38 | |
| 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 | 0.00 | |
| * Insecticide for Aphids and Caterpillars | Services | | | | | 99.64 | |
| Total listed costs for Field Operation | ns and Materials and Ser | vices | | | | 248.92 | |
| - | erations Capital \$ 210.92 | | ense @ | 5.50% for 6.0 mo. | | 5.80 | |
| Total Operating and Use Related O | * | 1 | | | = | 254.72 | |
| Overhead (accounting, liability insu | rance, vehicle cost, office | expense) | | | | 20.00 | |
| Real Estate Opportunity | Gravity (State) | \$ 6,480 | per acr | e @ 4.00% | | 259.20 | |
| Real Estate Taxes | | \$ 6,480 | per acr | e @ 1.00% | _ | 64.80 | |
| Total Cost per Acre Including Over | head | | | | - | 598.72 | |
| Cost per bu | | | | | | 9.66 | |
| Cash Cost per bu | | | | | | 4.54 | |

[~]See benefits of soybeans in a corn/soybean rotation

2017 Budget 55-Soybeans, No-Till 15-inch Row, Roundup Ready after Corn~ (65 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 6 acre/inches

| | | | | | | Rep | airs | Owne | rship | | |
|---|---------------------------------|-----------|------|-------------|---------------|-------|-------|-------|-------|--------|----------|
| | | Times | | Labor @ | Fuel @ \$2.25 | - | | | • | | 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 | 0.27 | 0.35 | 0.64 | 1.15 | 0.88 | 4.29 | |
| 2 | Plant Narrow Row | 1 | | 2.40 | 0.67 | 0.86 | 2.54 | 2.87 | 3.89 | 13.23 | |
| 3 | Spray | 1 | | 1.00 | 0.27 | 0.35 | 0.64 | 1.15 | 0.88 | 4.29 | |
| 4 | Aerial Spray | Custom | | | | | | | | | |
| 5 | Aerial Spray | Custom | | | | | | | | | |
| 6 | Pivot D 125' Lift | 6 | ai | 4.17 | 28.81 | 2.06 | 9.68 | 2.98 | 5.79 | 53.49 | |
| 7 | Combine Irr SB | 1 | | 3.67 | 4.53 | 8.53 | 1.33 | 6.99 | 2.84 | 27.89 | |
| 8 | Truck | Custom | | | | | | | | | |
| | Total for Field O | perations | | 12.24 | 34.55 | 12.15 | 14.83 | 15.14 | 14.28 | 103.19 | |

| Materials & Services | | Operation Index | Percent Acres Applied | Application Rate Unit | Applied Price | Total | Your Estimate |
|---|-------------------------------|--------------------|-----------------------------|--------------------------|------------------|--------|------------------|
| Glyphosate w/Surf | Herbicide | 1 | 100% | 32 ounce | 0.10 | 3.13 | |
| 2,4-D Ester 4# | Herbicide | 1 | 100% | 1 pint | 2.25 | 2.25 | |
| 21-0-0-24S | Additive | 1 | 100% | 1.7 pound | 0.35 | 0.60 | |
| Valor XLT | Herbicide | 1 | 100% | 3 ounce | 5.75 | 17.25 | |
| RR Soybeans | Seed | 2 | 100% | 1 bag | 50.00 | 50.00 | |
| Glyphosate w/Surf | Herbicide | 3 | 100% | 32 ounce | 0.10 | 3.13 | |
| Select Max | Herbicide | 3 | 100% | 6 ounce | 0.86 | 5.16 | |
| 21-0-0-24S | Additive | 3 | 100% | 1.7 pound | 0.35 | 0.60 | |
| * Aerial Spray | Custom | 4 | 20% | 1 acre | 10.00 | 2.00 | |
| * Warrior II/Zeon | Insecticide | 4 | 20% | 1.6 ounce | 2.97 | 0.95 | |
| Aerial Spray | Custom | 5 | 50% | 1 acre | 10.00 | 5.00 | |
| Quilt Xcel | Fungicide | 5 | 50% | 10.5 ounce | 1.72 | 9.02 | |
| Haul Grain Bushels | Custom | 8 | 100% | 65 bushel | 0.11 | 7.15 | |
| Scouting Irrigated Soybeans | Scouting | | 100% | 1 acre | 9.00 | 9.00 | |
| | Crop Insurance | | | | 4.68 | 0.00 | |
| * Insecticide for Aphids and Caterpillars | k Services | | | | | 115.24 | |
| Total listed costs for Field Operati | ons and Materials and Ser | vices | | | | 218.43 | |
| - | perations Capital \$ 189.01 | | ense @ | 5.50% for 6.0 mo. | | 5.20 | |
| Total Operating and Use Related (| | | | | Ξ | 223.63 | |
| Overhead (accounting, liability in | surance, vehicle cost, office | expense) | | | | 20.00 | |
| Real Estate Opportunity | Pivot (State) | \$ 6,940 | per acr | e @ 4.00% | | 277.60 | |
| Real Estate Taxes | | \$ 6,940 | per acr | re @ 1.00% | _ | 69.40 | |
| Total Cost per Acre Including Ove | erhead | | | | - | 590.63 | |
| Cost per bu | | | | | | 9.09 | |
| Cash Cost per bu | | | | | | 4.06 | |

[~]See benefits of soybeans in a corn/soybean rotation

2017 Budget 56-Soybeans, Roundup Ready, No-Till Narrow Row, Continuous~ (59 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 6 acre/inches

| | | | | | | Rep | airs | Owne | rship | | |
|---|---------------------------------|-----------|------|-------------|---------------|-------|-------|-------|-------|--------|----------|
| | | Times | | Labor @ | Fuel @ \$2.25 | • | | | • | | 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 | 0.27 | 0.35 | 0.64 | 1.15 | 0.88 | 4.29 | |
| 2 | Plant Narrow Row | 1 | | 2.40 | 0.67 | 0.86 | 2.54 | 2.87 | 3.89 | 13.23 | |
| 3 | Spray | 1 | | 1.00 | 0.27 | 0.35 | 0.64 | 1.15 | 0.88 | 4.29 | |
| 4 | Aerial Spray | Custom | | | | | | | | | |
| 5 | Aerial Spray | Custom | | | | | | | | | |
| 6 | Pivot D 125' Lift | 6 | ai | 4.17 | 28.81 | 2.06 | 9.68 | 2.98 | 5.79 | 53.49 | |
| 7 | Combine Irr SB | 1 | | 3.67 | 4.53 | 8.53 | 1.33 | 6.99 | 2.84 | 27.89 | |
| 8 | Truck | Custom | | | | | | | | | |
| | Total for Field O | perations | | 12.24 | 34.55 | 12.15 | 14.83 | 15.14 | 14.28 | 103.19 | |

| Materials & Services | | Operation Index | Percent Acres Applied | Application Rate Unit | Applied Price | Total | Your Estimate |
|---|-------------------------------|--------------------|-----------------------------|--------------------------|------------------|--------|------------------|
| Glyphosate w/Surf | Herbicide | 1 | 100% | 32 ounce | 0.10 | 3.13 | |
| 2,4-D Ester 4# | Herbicide | 1 | 100% | 1 pint | 2.25 | 2.25 | |
| 21-0-0-24S | Additive | 1 | 100% | 1.7 pound | 0.35 | 0.60 | |
| Valor XLT | Herbicide | 1 | 100% | 3 ounce | 5.75 | 17.25 | |
| RR2 Soybeans Treated | Seed | 2 | 100% | 1 bag | 65.00 | 65.00 | |
| Glyphosate w/Surf | Herbicide | 3 | 50% | 32 ounce | 0.10 | 1.56 | |
| 21-0-0-24S | Additive | 3 | 50% | 1.7 pound | 0.35 | 0.30 | |
| * Aerial Spray | Custom | 4 | 20% | 1 acre | 10.00 | 2.00 | |
| * Warrior II/Zeon | Insecticide | 4 | 20% | 1.6 ounce | 2.97 | 0.95 | |
| Aerial Spray | Custom | 5 | 50% | 1 acre | 10.00 | 5.00 | |
| Priaxor | Fungicide | 5 | 50% | 4 ounce | 5.47 | 10.94 | |
| 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 | 0.00 | |
| Total Materials & | Services | | | | | 124.47 | |
| * Insecticide for Aphids and Caterpillars | | | | | | | |
| Total listed costs for Field Operati | ons and Materials and Ser | vices | | | | 227.66 | |
| Interest on O | perations Capital \$ 198.24 | cash expe | ense @ | 5.50% for 6.0 mo. | _ | 5.45 | |
| Total Operating and Use Related (| Ownership Costs | | | | _ | 233.11 | |
| Overhead (accounting, liability in: | surance, vehicle cost, office | expense) | | | | 20.00 | |
| Real Estate Opportunity | Pivot (State) | \$ 6,940 | per acr | re @ 4.00% | | 277.60 | |
| Real Estate Taxes | | \$ 6,940 | per acr | re @ 1.00% | _ | 69.40 | |
| Total Cost per Acre Including Ove | erhead | | | | = | 600.11 | |
| Cost per bu | | | | | | 10.17 | |
| Cash Cost per bu | | | | | | 4.63 | |

[~]Cost to replace P_2O_5 - 0.8 lb/bushel of yield produced

2017 Budget 57-Soybeans, No-Till Drilled 7.5-inch Rows, Roundup Ready after Corn~ (65 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 6 acre/inches

| | | | | | | Rep | airs | Owne | rship | | |
|---|---------------------------------|-----------|------|-------------|---------------|--------|-------|-------|-------|--------|----------|
| | E. 110 | Times | Unit | Labor @ | Fuel @ \$2.25 | Dormon | Tunn | Down | Tunn | TD 4.1 | 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 | 0.27 | 0.35 | 0.64 | 1.15 | 0.88 | 4.29 | |
| 2 | No-Till Drill | 1 | | 1.83 | 1.31 | 0.72 | 1.57 | 2.39 | 3.54 | 11.36 | |
| 3 | Spray | 1 | | 1.00 | 0.27 | 0.35 | 0.64 | 1.15 | 0.88 | 4.29 | |
| 4 | Aerial Spray | Custom | | | | | | | | | |
| 5 | Aerial Spray | Custom | | | | | | | | | |
| 6 | Pivot D 125' Lift | 6 | ai | 4.17 | 28.81 | 2.06 | 9.68 | 2.98 | 5.79 | 53.49 | |
| 7 | Combine Irr SB | 1 | | 3.67 | 4.53 | 8.53 | 1.33 | 6.99 | 2.84 | 27.89 | |
| 8 | Truck | Custom | | | | | | | | | |
| | Total for Field O | perations | | 11.67 | 35.19 | 12.01 | 13.86 | 14.66 | 13.93 | 101.32 | |

| Materials & Services | | Operation Index | Percent Acres Applied | Application Rate Unit | Applied Price | Total | Your Estimate |
|---|-------------------------------|--------------------|-----------------------------|--------------------------|------------------|--------|------------------|
| Glyphosate w/Surf | Herbicide | 1 | 100% | 32 ounce | 0.10 | 3.13 | |
| 2,4-D Ester 4# | Herbicide | 1 | 100% | 1 pint | 2.25 | 2.25 | |
| 21-0-0-24S | Additive | 1 | 100% | 1.7 pound | 0.35 | 0.60 | |
| Valor XLT | Herbicide | 1 | 100% | 3 ounce | 5.75 | 17.25 | |
| RR Soybeans | Seed | 2 | 100% | 1 bag | 50.00 | 50.00 | |
| Glyphosate w/Surf | Herbicide | 3 | 100% | 32 ounce | 0.10 | 3.13 | |
| Select Max | Herbicide | 3 | 100% | 6 ounce | 0.86 | 5.16 | |
| 21-0-0-24S | Additive | 3 | 100% | 1.7 pound | 0.35 | 0.60 | |
| * Aerial Spray | Custom | 4 | 20% | 1 acre | 10.00 | 2.00 | |
| * Warrior II/Zeon | Insecticide | 4 | 20% | 1.6 ounce | 2.97 | 0.95 | |
| Aerial Spray | Custom | 5 | 50% | 1 acre | 10.00 | 5.00 | |
| Stratego YLD | Fungicide | 5 | 50% | 4 ounce | 4.69 | 9.38 | |
| Haul Grain Bushels | Custom | 8 | 100% | 65 bushel | 0.11 | 7.15 | |
| Scouting Irrigated Soybeans | Scouting | | 100% | 1 acre | 9.00 | 9.00 | |
| | Crop Insurance | | | | 4.68 | 0.00 | |
| Total Materials & | Services | | | | | 115.60 | |
| * Insecticide for Aphids and Caterpillars Total listed costs for Field Operati | one and Matarials and Sar | wices | | | | 216.92 | |
| • | perations Capital \$ 188.33 | | ance @ | 5.50% for 6.0 mo. | | 5.18 | |
| Total Operating and Use Related (| | cash expe | insc @ | 3.30% for 0.0 iiio. | = | 222.10 | |
| Total Operating and Ose Related V | ownership Costs | | | | | 222.10 | |
| Overhead (accounting, liability in | surance, vehicle cost, office | expense) | | | | 20.00 | |
| Real Estate Opportunity | Pivot (State) | \$ 6,940 | per acre | e @ 4.00% | | 277.60 | |
| Real Estate Taxes | <u> </u> | \$ 6,940 | per acre | e @ 1.00% | _ | 69.40 | |
| Total Cost per Acre Including Ove | erhead | | | | = | 589.10 | |
| Cost per bu | | | | | | 9.06 | |
| Cash Cost per bu | | | | | | 4.04 | |

[~]See benefits of soybeans in a corn/soybean rotation