

## Value of Manure Compared to Fertilizer

### Commercial Fertilizer

Market Value as of April 1, 2008

| <b>Nitrogen</b>         | <b>Price per Ton</b> | <b>Price per pound of N</b> |
|-------------------------|----------------------|-----------------------------|
| Anhydrous Ammonia (NH3) | \$795                | \$0.48                      |
| Liquid 28% (28%N)       | \$380                | \$0.68                      |

| <b>Phosphorus</b> | <b>Price per Ton</b> | <b>Price per pound of P2O5</b> | <b>Price per pound of N</b> |
|-------------------|----------------------|--------------------------------|-----------------------------|
| DAP (18-46-0)     | \$1,100              | \$1.20                         | \$3.06                      |

| <b>Potassium</b> | <b>Price per Ton</b> | <b>Price per pound of K2O</b> |
|------------------|----------------------|-------------------------------|
| Potash (0-0-60)  | \$700                | \$0.58                        |

*\*Price does not include application cost.*

### What is the value of Manure generated by the farm?

*price per 1000 gal for liquid manure and price per ton for solid manure, based upon average market value of commercial fertilizer*

|               | <b>N</b> | <b>P2O5</b> | <b>K2O</b> |
|---------------|----------|-------------|------------|
| Nursery       | \$2.08   | \$0.96      | \$4.32     |
| West Finisher | \$9.72   | \$9.09      | \$15.23    |
| East Finisher | \$2.95   | \$1.91      | \$7.06     |
| Overflow      | \$9.72   | \$9.09      | \$15.23    |

| <b>Facility</b> | <b>Manure Produced (Gallons)</b> | <b>Value of Manure Based on N</b> | <b>Value of Manure Based on P2O5</b> |
|-----------------|----------------------------------|-----------------------------------|--------------------------------------|
| Nursery         | 458,121                          | \$954.48                          | \$438.20                             |
| West Finisher   | 1,384,831                        | \$13,464.56                       | \$12,583.90                          |
| East Finisher   | 1,401,269                        | \$4,135.97                        | \$2,680.69                           |
| Overflow        | 48,980                           | \$476.23                          | \$445.08                             |
| <b>Total</b>    |                                  | <b>\$19,031.25</b>                | <b>\$16,147.87</b>                   |

### Manure

Analysis estimates from Midwest Plan Service

|                      | <b>Total N</b>                | <b>P2O5</b> | <b>K2O</b>  |
|----------------------|-------------------------------|-------------|-------------|
| <b>Swine</b>         | <i>lbs/1000 gal raw waste</i> |             |             |
| <b>Nursery</b>       | <b>3.6</b>                    | <b>0.8</b>  | <b>7.4</b>  |
| <b>West Finisher</b> | <b>16.8</b>                   | <b>7.6</b>  | <b>26.1</b> |
| <b>East Finisher</b> | <b>5.1</b>                    | <b>1.6</b>  | <b>12.1</b> |
| <b>Overflow</b>      | <b>16.8</b>                   | <b>7.6</b>  | <b>26.1</b> |