

Manure (Swine)

DESCRIPTION

Digested food matter rich in nitrogen, phosphorous and potassium. Moisture content, solids size and the presence of bedding influence the equipment needed for handling, treating and transporting. *Liquid* manure contains up to 4 percent solids, *slurry* has 4-10 percent solids, *semi-solid* has 10-20 percent solids and *solid* manure has greater than 20 percent solids. Nutrient values are related to solids concentrations. In general, the higher the solids concentration, the higher the nutrient concentration. Pig manure has considerably higher concentrations of nitrogen, phosphorous and potassium than dairy manure.

CLASSIFICATION

Manures

SOURCE INDUSTRY

Pig farming. See the [Meat Products industry roadmap](#).

ANNUAL VOLUME GENERATED IN WISCONSIN

901,550 wet tons (based on 520,000 pigs at 9.5 lbs/day)

CURRENT APPLICATIONS

Land spread, anaerobic digestion, aerobic digestion

PRICE

\$6.70/wet ton (based on \$0.22, \$0.22, and \$0.14 price per pound for N, P₂O₅, K₂O respectively)

HAULING COST

\$0.01/gallon, plus a charge of \$0.00013/gallon/mile for distances greater than 1 mile

APPLICABLE BIOREFINING PROCESSES

[Aerobic digestion/composting](#), [anaerobic digestion](#), [biomass gasification](#), [combustion](#), [thermochemical liquefaction](#), [vitrification](#)

REFERENCES

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