Technical, Environmental and Economic Assessment of Manure Processing Technologies

To access documents, click on the underlined titles:

Overview

Screening & Decision Tools
1.1 Livestock Input Worksheet
1.2 Crop Input Worksheet
1.3 Summary of Nutrient Balance
1.4 Recommendations
1.5 Additional Considerations
1.6 Questions for Further Evaluation

Decision Tool Examples
2.1 Dairy
2.2 Dairy and Beef
2.3 Swine
2.4 Poultry

Manure Processing Technology Information Sheets
3.1 Land Application
3.2 Separation
3.3 Composting
3.4 Anaerobic Digestion
3.5 P Recovery
3.6 Pyrolysis
3.7 Hydrothermal Liquefaction (HTL)

Additional Resources

Project Team: Harold Keener, FABE, The Ohio State University (OSU); Mary Wicks, OCAMM, OSU; Steve Baertsche, OSU Extension; Kirsten Dangaran, OBIC, OSU; Amanda Douridas, OSU Extension; Shannon Hollis, OBIC, OSU; Meghan Smith, OBIC, OSU

Acknowledgements: This project was funded by the USDA-NRCS Conservation Innovation Grant program with additional financial support from the Ohio Soybean Council (OSC) and OSU.

The authors would like to thank the following for providing feedback during the development of this guide: Larry Antosch, Ohio Farm Bureau; Glen Arnold, OSU Extension; Lou Brown, dairy producer; Kevin Elder, ODA-LEPP; Tom Fontana, OSC; Scott Higgins, ODP; Dick Isler, OPP; Jim Keller, Ag Solutions; Bill Knapke, Cooper Farms; Terry Mescher, ODNR-DSWR; Mike Monnin, USDA-NRCS; Nick Renner, Ag Solutions; Andy Schwiterman, dairy/beef producer; Laura Walker, ODNR-DSWR; David White, Ohio Livestock Coalition; Jerry Will, hog producer; and Dan Wuebker, poultry producer.

Disclaimer: Any specific company or process mentioned in these documents is for informational purposes only and should not be considered an endorsement.