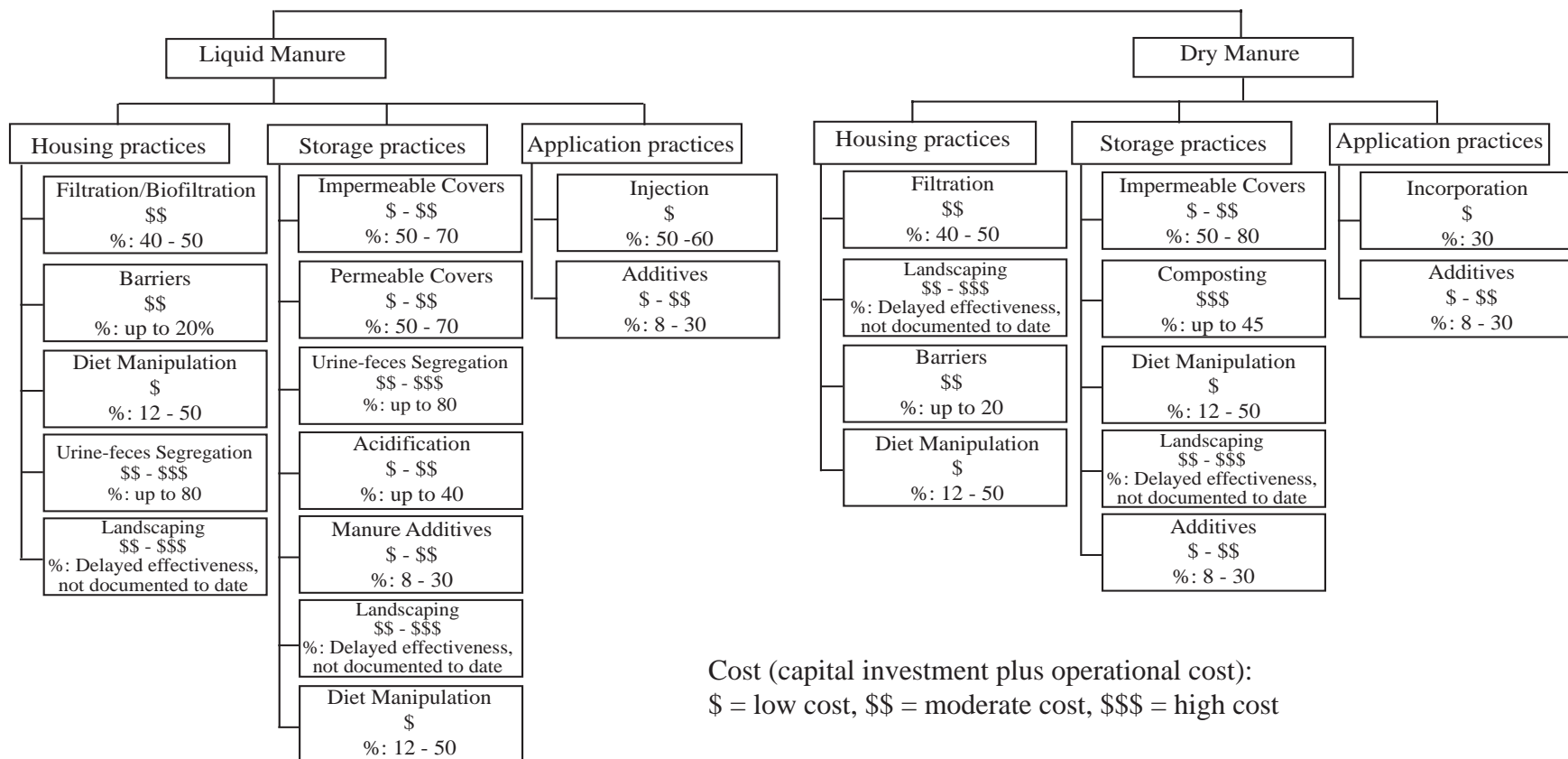


Practices to Reduce Ammonia Emissions from Livestock Operations Flowchart

Practices to control ammonia emissions associated with livestock can be applied to animal housing areas, manure storage areas, and land where manure is applied. This fact sheet is designed to provide producers with information on relative costs and effectiveness of odor control practices. This fact sheet accompanies, *Practices to Reduce Ammonia Emissions from Livestock Operations*, (PM 1971a).



Cost (capital investment plus operational cost):
 \$ = low cost, \$\$ = moderate cost, \$\$\$ = high cost

% = Estimated effectiveness in odor reduction
 (conservative estimates recognizing that observed
 reductions will vary from site to site)

Resources

For a list of research reports, ISU Extension publications, and links to current news regarding air quality and animal agriculture, please visit the Air Quality and Animal Agriculture Web page at: <http://www.extension.iastate.edu/airquality>.

PM 1970a *Practices to Reduce Odor from Livestock Operations* is on the Web at: <http://www.extension.iastate.edu/Publications/PM1970a.pdf>

PM 1970b *Practices to Reduce Odor from Livestock Operations Flowchart* is on the Web at: <http://www.extension.iastate.edu/Publications/PM1970b.pdf>

PM 1971a *Practices to Reduce Ammonia Emissions from Livestock Operations* is on the Web at: <http://www.extension.iastate.edu/Publications/PM1971a.pdf>

PM 1971b *Practices to Reduce Ammonia Emissions from Livestock Operations Flowchart* is on the Web at: <http://www.extension.iastate.edu/Publications/PM1971b.pdf>

PM 1972a *Practices to Reduce Hydrogen Sulfide from Livestock Operations* is on the Web at: <http://www.extension.iastate.edu/Publications/PM1972a.pdf>

PM 1972b *Practices to Reduce Hydrogen Sulfide from Livestock Operations Flowchart* is on the Web at: <http://www.extension.iastate.edu/Publications/PM1972b.pdf>

PM 1973a *Practices to Reduce Dust and Particulates from Livestock Operations* is on the Web at: <http://www.extension.iastate.edu/Publications/PM1973a.pdf>

PM 1973b *Practices to Reduce Dust and Particulates from Livestock Operations Flowchart* is on the Web at: <http://www.extension.iastate.edu/Publications/PM1973b.pdf>

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