Designing Ohio and Indiana Comprehensive Nutrient Management Plans as 'Smart' Documents. (S11-joern122637-Oral)

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Abstract:

The Purdue University Manure Management Planner (MMP) and the University of Missouri Spatial Nutrient Management Planner (SNMP) programs generate and store much of the data required for a CNMP. However, neither program could produce a CNMP document for a producer. The Ohio Natural Resources Conservation Service (NRCS) worked with the MMP developers, who created a document generator that queries data from MMP, generating tables that it inserts at predefined locations in a CNMP document based on Microsoft Word templates that Ohio and Indiana NRCS created. Prewritten 'AutoText' entries (provided as drop-down menu choices) can be inserted throughout the document to tailor the CNMP to the specific operation and site conditions. This 'smart document' can be updated by editing the MMP plan (soil, crop, storage, animal, equipment, and manure application data) without losing other operation-specific modifications to the document. The document generator is run as a custom tool in MMP and can draw on information from MMP and other data sources. This CNMP document generator has reduced the time required to prepare a CNMP document from several days to a few hours.

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