

## **New Nutrient Management Software Now Available**

### **Cornell *Cropware* Version 1.0**

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Cornell Cropware is a computer program that assists nutrient management planners and livestock producers in generating nutrient management plans that meet NRCS standards. Cornell Cropware contains equations and coefficients needed to implement Cornell Guidelines for meeting crop requirements with manure and fertilizer nutrients. The software package is a stand-alone program with an extensive help system. The program is easy to use, flexible and complete with the following features:

- Users can construct, print and save customized reports. Reports can be exported to word processing, spreadsheet and mapping/GIS software.
- A complete crop rotation record is stored for each field; information from each year is automatically “rolled over” to the next year.
- Phosphorus recommendations can be generated from soil test reports from Cornell (Morgan extraction), A&L Laboratories Inc. (Modified Morgan and Mehlich-III extraction), Brookside Laboratories Inc. and Spectrum Analytic Inc. (Mehlich-III extractions).
- Corn crop nitrogen requirements can be based on soil type and drainage dependent Cornell yield estimates or user-defined crop yields where supported by yield records.
- The quantity of manure can be estimated from animal units, bedding and wastewater data entry or directly from producer spreading records. The program also provides means for estimating monthly storage and removal quantities in order to match time of spreading with available manure.
- In addition to user-customized reports, management reports include: a manure application list for the tractor, monthly spreading calendar for planning timing of manure applications, nutrient management plan report, farm crop and animal summary, fertilizer management report, and a fertilizer shopping list.
- Site-specific management of hydrologically sensitive areas is a key system component. Environmental factors include inputs for Highly Erodible Land, soil erosion estimates, buffer widths and other hydrologic sensitivity factors. The program will calculate and report the New York nitrogen leaching index and phosphorus runoff index values for each field.

The program is available to any New York user at no charge. To obtain a copy of the program, tutorials and supporting documents or inquire about training sessions:

- Access <http://www.css.cornell.edu/nutmgmt/index.html> and click on “Cornell Cropware” (or)
- Contact Michelle Cole, 130 Morrison Hall, Cornell University, Ithaca NY 14853. E-mail: [mlc44@cornell.edu](mailto:mlc44@cornell.edu). Phone: (607) 255-7712.