

Supplement 18

Nutrient Management Resource List

The Pennsylvania Nutrient Management Education Program provides a wide array of resources to nutrient management specialists. These resources serve two purposes:

- **Education.** These factsheets and publications are selected to supplement the material presented in the certification trainings and to cover aspects of nutrient management and related issues not fully addressed in the trainings.
- **Planning.** These references and tools are used consistently in the development and review of nutrient management plans.

There are two comprehensive sources of these resources.

- **Pennsylvania's Nutrient Management Program Website.** The program website (<http://panutrientmgmt.cas.psu.edu>) provides the most up-to-date and comprehensive source of information about Pennsylvania's Nutrient Management Act (Act 38, 2005) Program. **It is also the most complete source of key planning references, planning tools, and educational factsheets and publications.** Included is regulatory, technical, educational and financial information. It also provides limited information concerning related programs and links to manure and nutrient management information from other states. Many of the publications are downloadable and printable.
- **Nutrient Management Resource CD.** The resource CD is distributed at the Nutrient Management Orientation training and contains all the vital publications used or referenced in the certification trainings. In addition, most references listed in the Nutrient Management Examination Competency Areas are included on the resource CD.

In addition to this Program Technical Manual, each specialist should have the following planning tools or become familiar with their use on the internet.

Penn State Agronomy Guide

The Agronomy Guide is the standard agronomic reference for Pennsylvania. The current edition is the official reference for Pennsylvania's Nutrient Management Program. The Soil Fertility Management section provides essential background information for nutrient management planning in Pennsylvania. Topics addressed include soil testing, fertilizer recommendations, and nutrient requirements for agronomic crops, fertilizer materials, manure nutrient management, and manure spreader calibration.

Spreadsheet Planning Tools

The Act 38 Nutrient Management Program has produced several Excel spreadsheet planning tools for the development of nutrient management plans and balance sheets.

- **Nutrient Management Plan Spreadsheet** – all Act 38 nutrient management *plans must be developed using this spreadsheet.*
- **Nutrient Balance Sheet Spreadsheet** – in addition to the spreadsheet, Word and PDF versions are available for the development of Act 38 nutrient balance sheets.
- **Pennsylvania Phosphorus Index Spreadsheet** – all Act 38 nutrient management plans must address phosphorus using this spreadsheet. It has been integrated into the Nutrient Management Plan Spreadsheet and is also available as a standalone spreadsheet.
- **Pasture Nutrient Calculator Spreadsheet** – this spreadsheet is useful for making quick assessments of nitrogen and phosphorus balances on pastures and if necessary adjusting stocking rates to meet required nutrient balances.

Soil Test Recommendations Handbook For Agronomic Crops

The Soil Test Recommendations Handbook For Agronomic Crops is the standard reference for determining crop nutrient recommendations for Pennsylvania's Nutrient Management Program. The handbook, along with handbooks for commercial vegetables, small fruits, tree fruits and turf, can be accessed via the PA Nutrient Management Program website or at the following web address: <http://www.aasl.psu.edu/> clicking on Lab Programs.

Electronic Field Office Technical Guide

The electronic Field Office Technical Guide (eFOTG) is the primary scientific reference for the Pennsylvania Natural Resources Conservation Service (NRCS). It consists of five sections. Section IV contains NRCS standards and specifications for each conservation practice for Pennsylvania. The eFOTG can be accessed via the PA Nutrient Management Program website (<http://efotg.nrcs.usda.gov/treemenuFS.aspx>).

County Soil Survey

The Soil Survey for each county in Pennsylvania contains descriptions of soil types, their characteristics, potentials, limitations, the impact of selected land uses, and recommended improvements to overcome limitations. Included are soil information tables and maps showing soil types and land features. (Available from county NRCS or Conservation District offices)