

National Safe Tractor and Machinery Operation Program (NSTMOP)

This document includes:

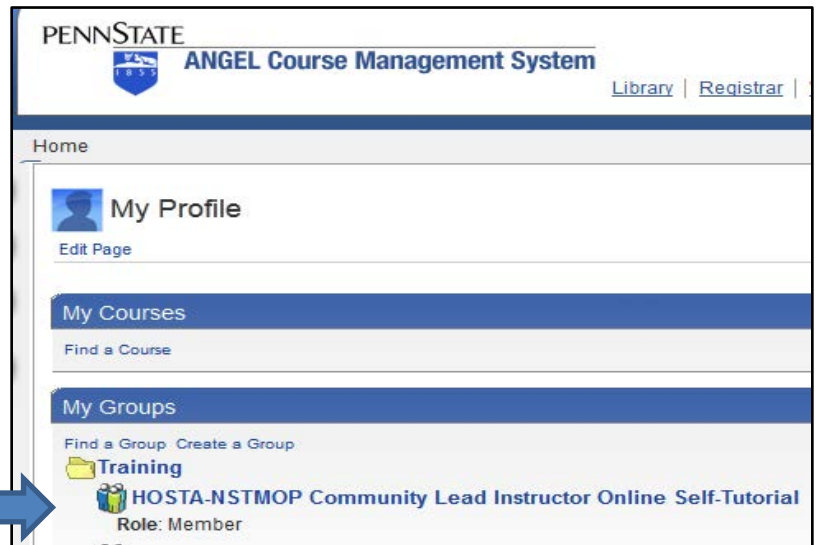
- Instructions for online NSTMOP community
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- Instructor Information
- Student Information
- Frequently Used Links for NSTMOP

nstmop@psu.edu

Instructions for Online NSTMOP Community Lead Instructor Training

To complete the online NSTMOP Community Lead Instructor Self-Tutorial you must:

1. Sign up for a Friends of Penn State account at <https://fps.psu.edu/>, unless you already have a PSU ID.
2. **Write your log in ID and password information down here, and keep for future reference.>_____
3. Email your Friends of Penn State ID (xyz1234) to the NSTMOP Office: nstmop@psu.edu. Include “FPS ID for NSTMOP Instructor Training” in the Subject line of the email.
4. Wait for a response email from the NSTMOP Office to confirm your enrollment in the online training group.
5. Once you have been enrolled, sign in to: <https://cms.psu.edu/>. Click on “HOSTA-NSTMOP Community Lead Instructor Online Self-Tutorial”, read and complete those steps.



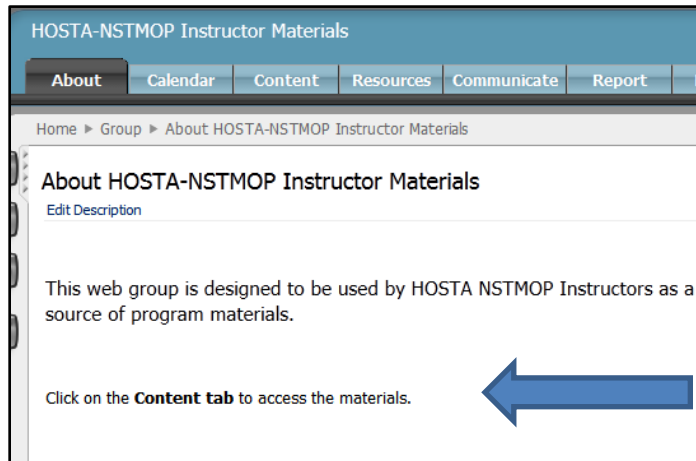
6. When you have completed and passed the exam, contact the NSTMOP Office by email again at nstmop@psu.edu and inform them you have completed the online training. Please be sure to send your complete contact information so we can assign you a number for your certificate. Your name, address, county, phone, and email will be needed.

Once it is confirmed that you have passed the exam, you will be added to the Instructor Materials group and emailed with the *password* to access the Instructor Materials.



- When you receive the password, and have logged in again, you click on Instructor Materials and follow the instruction as directed.

Step 1



Step 2



(You will receive your assigned CL # when you contact the NSTMOP office, and a certificate will then be mailed to you along with an additional reminder on how to fill out the master score sheet for your students.)

Please note: The student manuals are available for download from:

<http://www.extension.org/pages/67882/nstmop:-student-information> or you can purchase hardcopies at: <http://www.finney-hobar.com/nstmop.htm>

Feel free to contact Peggy Newel if you have any questions: nstmop@psu.edu or png1@psu.edu

National Safe Tractor and Machinery Operation Program

Reference: <http://extension.psu.edu/business/ag-safety/youth-safety/national-safe-tractor-and-machinery-operation-program>

The National Safe Tractor and Machinery Operation Program (NSTMOP) is a project of Hazardous Occupations Safety Training in Agriculture (HOSTA) for youth ages 14 and 15.



By successfully completing the program they may legally operate farm tractors and powered machinery for hire which they otherwise would not be allowed to operate under the US Department of Labor's Hazardous Occupations Order in Agriculture.

Training is designed to consistently cover core content areas including safety basics, agricultural hazards, tractors, connecting and using implements with tractors and materials handling. Testing includes a written exam along with skills and driving tests.

Why NSTMOP?

Since 1969, the U.S. Department of Labor has declared many agricultural tasks to be hazardous to youth younger than 16. With certain exemptions, employment of youth under 16 for tasks that require operation of a tractor and machinery is illegal unless the youth are certified. By successfully completing this certification program, 14 and 15 year old youth may be legally employed.

Flexible Training

This 24-hour training can be conducted in a traditional classroom setting, through independent study or as a combination of the two.

Advantages for Instructors

A new generation of training materials in a task sheet format have been developed by Penn State to assist in delivering effective training to students. Materials are available online, by mail or email.

Advantages for Employers and Employees

Agriculture is a hazardous occupation—but the risks can be minimized. NSTMOP training better prepares youth for dealing with the hazards in agriculture.

What's Included for Certification

Training is locally led by county cooperative extension or high school agricultural educators. Subjects covered include:

- General agricultural safety
- Tractor and equipment operation
- Highway transportation

Students are certified after:

- Successfully passing a fifty-question knowledge test
- Successfully passing both a skills test and a driving test.

NSTMOP and HOSTA

The National Safe Tractor and Machinery Operation Program (NSTMOP) is a project of the United State Department of Agriculture Cooperative States Research, Education and Extension Service's Hazardous Occupations Safety Training for Agriculture (HOSTA) Program. It was developed to respond to the need for resources to inform and support the Youth Farm Safety Education and Certification Regulation which is administered by the U.S. Department of Labor.

For more information contact:

National Safe Tractor and Machinery Operation Program

The Pennsylvania State University Agricultural and Biological Engineering
246 Agricultural Engineering Building
University Park, PA 16802

Phone: 814-865-7685

Email: nstmop@psu.edu

Links

- [National Safe Tractor and Machinery Operation Program Overview](#)
- [NSTMOP Instructor Information](#)
- [NSTMOP Student Information](#)
- [Common Questions and Answers](#)

National Safe Tractor and Machinery Operation Program

NSTMOP: Program Overview

Reference: <http://www.extension.org/pages/67883/nstmop:-program-overview#.U9ESoqiXvJw>



(Source: Pennsylvania State University - Ag Safety & Health Program)

The **National Safe Tractor and Machinery Operation Program (NSTMOP)** was developed through a collaborative effort involving Penn State University, Ohio State University, and the agricultural division of the National Safety Council. The project was funded by the U.S. Department of Agriculture, National Institute of Food and Agriculture. This program is now managed solely by Penn State.

The NSTMOP was originally developed and designed for 14- and 15-year-olds seeking employment in production agriculture. The U.S. Department of Labor's **Hazardous Occupations Order in Agriculture (AgHOs)** regulation prohibits 14- and 15-year-olds from operating farm tractors and attached powered equipment unless the youths have successfully completed an approved safe tractor and machinery operation training program. For more information about these regulations, click [HERE](#) to visit the website of the U.S. Department of Labor.

Curriculum

The NSTMOP consists of 24 hours of intensive instruction, divided into six modules, that includes task sheets and skills and safe-driving instruction. The task sheets serve as the basis of the program. The curriculum can be obtained through the following two avenues:

- Click [HERE](#) to order a bound copy of the student manual through Finney Company Inc.
- Click [HERE](#) to be directed to the article "NSTMOP: Student Information," which contains links to the different instruction modules in the Modules and Task Sheets section.

The student manual includes the following elements:

- An introduction to the NSTMOP
- A program outline for the six modules
- A driving test layout and evaluation form
- A list of core competencies that each student should master
- Instructional task sheets

Evaluation

Students must score a minimum of 70% on the written knowledge test and must successfully pass the skills and driving tests administered by the instructor.

Students

Instructors use NSTMOP task sheets for the 24 hours of intensive classroom instruction. After students complete the classroom training and pass the 50-question knowledge test with a minimum score of 70%, they are permitted to take the skills and driving tests. After successfully completing both the classroom and driving components, students receive a formal certificate that allows them to work for hire in agriculture as 14- and 15-year-olds. Click [HERE](#) for more information about the NSTMOP and what is expected of students to complete the program and earn a formal certificate.

Instructors

NSTMOP is administered nationally through the Cooperative Extension Service and agricultural education programs. To receive a listing of instructors from your state, send a request to nstmop@psu.edu. Click [HERE](#) for more information about becoming a NSTMOP instructor.

Summarized by:

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Reviewed by:

Dennis J. Murphy, Pennsylvania State University – djm13@psu.edu

Aaron M. Yoder, University of Nebraska Medical Center - aaron.yoder@unmc.edu

NSTMOP: Instructor Information

Reference: http://www.extension.org/pages/67881/nstmop:-instructor-information#.U7_0V09OVdh



The **National Safe Tractor and Machinery Operation Program (NSTMOP)** is primarily a training program for 14- and 15-year-olds seeking employment in production agriculture. Completing the NSTMOP constitutes compliance with the training requirements of the U.S. Department of Labor's **Hazardous Occupations Order in Agriculture (AGHOs)** law. However, the curriculum of this program can also be used to teach new and inexperienced tractor operators of all ages and backgrounds how to safely operate farm tractors and other machinery. In addition, the curriculum provides an introduction to farm and ranch hazards and risks. When students that are 16 years of age and older complete the program, formal evaluation (the knowledge, driving, and skills tests) and the certificate of completion are not required. Instructors might nevertheless wish to take advantage of these components to add structure to their teaching.

Youth between the ages of 14 and 15 can be certified only by Cooperative Extension educators or by high school agriculture instructors (vocational agriculture teachers or agricultural science teachers). The signature of such an educator on the U.S. Department of Labor certificate indicates that a student has successfully passed all requirements of the training program. Only approved NSTMOP instructors can use the NSTMOP curriculum materials.

Instructor Requirements

In order to become a NSTMOP instructor, you must complete the online NSTMOP community lead instructor self-tutorial or attend a NSTMOP community lead instructor workshop. Listed below are the steps that must be completed to access the online NSTMOP community lead instructor training.

1. Sign up for a Friends of Penn State (FPS) account at <https://fps.psu.edu/> (unless you already have a Penn State ID).
2. Send your FPS ID (which has three letters and four digits—for example, xyz1234) via email to the NSTMOP office at nstmop@psu.edu. Include "FPS ID for NSTMOP Instructor Training" in the subject line of the email. Please include your complete contact information and with whom you are affiliated.
3. Wait for an email from the NSTMOP office to confirm your enrollment in the online training group.
4. Complete the NSTMOP community lead instructor training at <https://cms.psu.edu/>.
5. When you have completed the online training, inform the NSTMOP office via email (nstmop@psu.edu).

If you are already an approved instructor but need to access instructor materials, complete the following steps:

Access the online NSTMOP instructor materials at <https://cms.psu.edu/>.

Curriculum

The NSTMOP consists of 24 hours of intensive instruction that includes task sheets and skills and safe-driving instruction. The task sheets serve as the basis of the program. The curriculum can be obtained through the following two avenues:

- Click [HERE](#) to order a bound copy of the student manual through Finney Company Inc.
- Click [HERE](#) to be directed to the article "NSTMOP: Student Information," which contains links to the different instruction modules in the Modules and Task Sheets section.

After the instruction is complete, each student must complete a 50-question knowledge test and obtain a minimum passing score of 70%. Students who successfully pass the knowledge test are then permitted to take the skills and driving tests. Upon successful completion of all parts of the NSTMOP, students receive a formal certificate of completion.

Frequently Asked Questions

Click [HERE](#) for frequently asked questions concerning the NSTMOP program. Any additional questions can be emailed to the NSTMOP office at nstmop@psu.edu.

Summarized by:

Linda M. Fetzer, Pennsylvania State University – lmf8@psu.edu

Reviewed by:

Dennis J. Murphy, Pennsylvania State University – djm13@psu.edu

Aaron M. Yoder, University of Nebraska - aaron.yoder@unmc.edu

NSTMOP: Student Information

Reference: <http://www.extension.org/pages/67882/nstmop:-student-information#.U8AAJU9OVdh>



Youth ages 14 and 15 years old seeking employment in production agriculture must comply with the training requirements of the U.S. Department of Labor's **Hazardous Occupations Order in Agriculture (AgHOs)** law. As part of meeting the training requirements, youth must complete an approved training program. The **National Safe Tractor and Machinery Operation Program (NSTMOP)** is a comprehensive program that consists of 24 hours of intensive instruction that incorporates the use of task sheets accompanied by skills and driving instruction. After completing classroom instruction, each student must complete a 50-question knowledge test and obtain a minimum passing score of 70%. Once a student successfully passes the knowledge test, he or she is then be permitted to take the program's skills and driving tests. Upon successful completion of all parts of the NSTMOP, the student receives a formal certificate of completion from the NSTMOP.

To locate an NSTMOP instructor in your area, contact the NSTMOP office at nstmop@psu.edu.

Curriculum

Task sheets are the basis of the NSTMOP and were developed as part of a new and updated curriculum. Elements of the curriculum can be obtained through the following two avenues:

- Click [HERE](#) to order a bound copy of the student manual through Finney Company Inc.
- Click on the links located below in the Modules and Task Sheets section.

Student Manual

The introduction to the student manual (available in [ENGLISH](#) and [SPANISH](#)) provides an overview of the NSTMOP program and a diagram of the skills and driving course. After successfully completing the NSTMOP program (course work, knowledge tests, and skills and driving course), students receive a certificate of completion, which can be viewed in the student manual. The manual includes an outline for the six modules in the NSTMOP and a diagram of the layout of the driving course. Each module focuses on a specific agricultural safety and health topic and addresses core competencies that each student should master through the completion of the course.

Modules and Task Sheets

Task sheets are the main curriculum for the NSTMOP and are divided into six modules. Click on the link below to review the task sheets for each module.

1. Introduction Module (task sheets 1.1–1.5): This module provides an overview of agriculture, types of risks, and regulations related to agricultural safety and health.
[English](#)
[Spanish](#)
2. Safety Basics (task sheets 2.1–2.11): This module highlights youth safety and risk and discusses appropriate clothing and personal protective equipment (PPE), warning signs, hand signals, and basic first aid.
[English](#)
[Spanish](#)
3. Agricultural Hazards (task sheets 3.1–3.14): This module addresses hazards associated with machinery, animals, pesticides, electricity, confined spaces, and farm chemicals.
[English](#)
[Spanish](#)
4. The Tractor (task sheets 4.1–4.14.1): This module provides a comprehensive overview of the tractor, including but not limited to tractor types, hazards, controls, lightning, and starting and operating a tractor.
[English](#)
[Spanish](#)
5. Connecting and Using Implements with the Tractor (task sheets 5.1–5.6): This module focuses on various types of implements, such as drawbars, three-point hitches, and so on, and how they are connected and used with the tractor.
[English](#)
[Spanish](#)
6. Materials Handling (task sheets 6.1–6.10): This module focuses on three machines— skid steers, all-terrain vehicles (ATVs), and utility vehicles—that are used to transport materials on the farm.
[English](#)
[Spanish](#)

Frequently Asked Questions

Click [HERE](#) to view a list of commonly asked questions concerning the NSTMOP program. Any additional questions can be emailed to the NSTMOP office at nstmop@psu.edu.

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Frequently used links for NSTMOP

- To become a Friend of Penn State (create an ID) go to: <https://fps.psu.edu/>
- To become Enrolled in the Instructor training, or to access materials in the HOSTA-NSTMOP Instructor Materials group, go to: <http://cms.psu.edu>.
- To Reset your password account for your Friends of Penn State account, go to: <https://fps.psu.edu/fps-web/FPS/ResetPassword.jsf>
- To Access Student materials (manual and task sheets) go to: <http://www.extension.org/pages/67882/nstmop:-student-information>
- For any questions please contact: nstmop@psu.edu or png1@psu.edu

