



Pennsylvania State Fire Academy

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Minimum Standard for Accreditation (MSA)

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Course Title: Farm Rescue (FARR)

Length of Course: 16 Hours

Lecture/Lab Breakdown: 12/4

Prerequisites: EBM (BVRT or BVRC (or predecessors DHVR or VREA Recommended))

Referenced Texts: Agricultural Accidents & Rescue by PA State University, 3rd revision 1986; First on the scene N.R.A.E.S., January 12, 1989 edition; Extinguishing Silo Fires N.R.A.E.S., 3rd revision, January 1988; Feed Associated Respiratory Illnesses in Farmers by Drs. May and Pratt; Hay and Silage Fires by Dr. D.J. Murphy, the PA State University, J.K.Campbell, L.D. Baker, Cornell University; Fire Safety for Forage Silos by W.P. Jensen; I.F.S.T.A. Manual 1st edition, Principals of Extrication, Chapter 8; Larry Davis Manuals, editions 1-2-3, (Rural Firefighting Operations); Pesticide Challenge Manual (NFA)

Course Goal: To train the fire services & EMS to be able to make a safe Farm Rescue from farm equipment and buildings by the use of rescue equipment, normally associated with the fire service.

Description of Course: This course is designed to train fire fighters and E.M.S. personnel the hazards that they will encounter in Farm Rescue Situations. The Farmedic Course teaches appropriate response actions for machinery, Chemical, and Structure accidents and how to handle animals.

Description of Methodology to be used: (Brief) Lecture, Discussion, Demonstration and Supervised student practices.

Student Equipment/Supply Needs: (one for each student) Registration form, Text Book (Farm Accident Rescue, Cooperative Extension N.R.A.E.S.-10), Handouts (ie. Farm accident Newspaper articles etc.), Other items as designed (ie. Silo Fire Fighting and Rescue Publications) N.R.A.S.E.S.-18, First on the scene rescue book N.R.A.E.S.-12 Jan. 89, FARMEDIC student workbook, Note Book and Pen/Pencil, and Turn Out Gear.

Equipment/Audiovisual/Supply requirements: One 1/2" V.H.S. player with all necessary connections, TV sets as required, Chalkboard-chalk-eraser, 16 MM Movie Projector w/Spare Bulb-take up reel, Movie Screen, 35 MM Slide Projector w/Spare Bulb, Overhead Transparency Projector w/Spare Bulb,
continued

MINIMUM STANDARDS FOR ACCREDITATION

Equipment/Audiovisual/Supply requirements: (continued)

Agricultural Machinery (NON USABLE) for extrication practice, Agricultural Incident Series Slides-parts 1-2-3, VHS 1/2" Tape-Farmedic TV news footage program, VHS 1/2" Tape Farm Machinery Accidents, Farmedic Overhead Transparencies, Hazardous Materials: The Pesticide Challenge-35 MM Slides, and One Cassette Tape Recorder.

COURSE OUTLINE
(General - Not Detailed)

<u>Time</u>	<u>Content</u>	<u>Instructor</u> <u>Notes</u>
:20	Program Introduction	NRAES 10
:15	Class Registration	
:10	Training Need	
:10	Program Goals	
:30	Understanding Farm Accidents	NRAES-10 Pg.1-2
1:00	Logistics/Pre-Planning	
1:00	Agricultural Rescue	
1:30	Machinery Responses	NRAES-10 show Mach. Pgs.3-16 Slide Set, Agr. Incident Series 1-2-3.
1:00	Structure Response	NRAES-10 Pg.30-32
1:30	Farm Visit	Pg. 17-20
1:30	Farm Machinery Dealer Visit	
:15	Summary	
1:30	Chemical Response	NRAES-10 Pg.28
1:30	Pesticide Control	Show 35 MM Slide Set, The Pesticide Challenge
1:00	Break Out Sessions	Rescue People Go To Rescue Sessions. Review Rescue Tools
2:45	Extrication Exercise	
:10	Conclusion	

Competency Evaluation Mechanism (Brief description-attach copy): Practical exercise. All students must complete work books.

Course Objectives (specific): Upon completion of this course the student will:

1. have a better understanding of farm accidents and why they occur.
2. demonstrate an understanding of the importance and benefits of pre-planning for agricultural incidents.
3. relate significant hazards and requirements unique to the agricultural rescue environment including as a minimum:
 - a. Fixed and mobile machinery and implements

continued
 MINIMUM STANDARD FOR ACCREDITATION
 Farm Rescue (FARR)

Objectives (continued)

- b. Buildings and structures
 - c. Livestock
 - d. Silos and silage/fodder storage facilities
 - e. Manure pits and other below-grade/confined space hazards
 - f. Agricultural chemical storage and application
 - g. Fuel storage and dispensing
4. relate the special personal protective clothing needs of the agricultural accident environment.
5. relate the special rescue equipment needs of the agricultural environment.
6. Given a simulated agricultural rescue incident and acting as a member of a rescue team:
- a. Initiate command and control activities
 - b. Conduct an accurate hazard analysis and risk vs. benefits assessment
 - c. Create a site safety plan including, as a minimum,
 - 1) Hazard mitigation and stabilization procedures
 - 2) appropriate rescuer personal protective equipment ensemble(s)
 - 3) Personnel accountability and access control
 - 4) rapid intervention team capability
 - 5) Emergency medical care requirements for patient(s) and rescuers
 - 6) Rehab procedures
 - d. Select and employ appropriate rescue, extrication, and patient stabilization equipment and procedures in a manner that effects a safe, medically stable patient extrication and removal
 - e. Conduct appropriate termination activities.

**Questions/Comments: Rita Wessel, Curriculum Specialists: Extension 106
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