

**OHIO STATE FARM SCIENCE REVIEW  
FIELD EQUIPMENT DEMONSTRATION PROCEDURES**

**SEPTEMBER 22, 23, 24, 2009**

**Field Equipment Operators Meeting**

2:00 p.m. Monday, September 21

Near West Loading Dock

**ALL OPERATORS ARE TO ATTEND**

**Operator Meeting.** All persons who will be participating in the field demonstrations must attend a short meeting with Review personnel on Monday, September 21, 2009 at 2:00 p.m. next to the west loading dock. The purpose of the meeting is to provide final information on harvesting procedures, pass out field equipment service permits, and answer any last minute questions.

**Equipment delivery and parking.** Equipment may be delivered during exhibit setup, September 14 - September 21, 2009. Two loading docks are located in the machinery parking area. Equipment to be demonstrated will be parked in company assigned areas located immediately north of the exhibit area until Monday afternoon (September 21<sup>th</sup>). Please stop at the Headquarters Building to receive your area assignment. Equipment should be kept in the FSR machinery storage area except when engaged in approved activities during setup week. *The field demonstration equipment will be moved to a location at the north area of the MCAC on Monday after the field equipment operators meeting. Off-hours security will be provided for the equipment in the north storage area. All field demo equipment will be moved from the north machinery storage area to the respective demo area(s) on Tuesday between 8:00-9:00 a.m. At the conclusion of Tuesday demos, machines will return to the north storage area of the MCAC. On Wednesday and Thursday, equipment will again move from the north storage area to their respective demo plots between 8:00-9:00 a.m. At the conclusion of Thursday's demonstrations, all machinery will move to the FSR machinery storage area.*

**Parking.** A limited amount of parking area for vehicles of those participating in and supervising demonstrations will be provided in the north machinery parking area. Demonstrators are requested to park only in the equipment area assigned to their company.

**Field Preparation.** End rows will be harvested for access. Alleys will be cut across fields at specified positions to divide the fields into operational areas. This work will be accomplished

either by FSR personnel or by equipment demonstrators on or before September 21.

**Fuel supply.** The fuel should be available for sale for equipment set up and demonstration on Thursday, September 17<sup>th</sup> and will conclude on September 24<sup>th</sup>. Dates, times and location for fuel purchases will be posted at the west end of machinery set-up area.

**Trial runs of equipment.** Areas for adjustment of equipment prior to the Review will be available from 8:00 a.m. to 5:00 p.m., September 18, 19, & 20, weather permitting. Staff personnel at headquarters will be available to designate the proper locations of trials. End rows and cross alleys will be available for adjusting corn and soybean combines.

**General.** All field equipment will be demonstrated on plots assigned to individual companies. Each company will have approximately the same area or number of rows to work during any given program. Prior to each program, stakes will be placed to designate the exact location of each company in the demonstration area. Fields will be divided into sections by an alley across the field. Plots will be 400-600 feet long.

It is essential that all companies adhere to the established time schedule for demonstrations. However, equipment **does not have to operate all the time**; the FSR demonstration coordinator will direct when equipment is to run and when to set idle.

**No one, including company personnel, shall be walking in the field adjacent to an operating unit.**

When operating equipment and turning at the end of the field, please keep the equipment within the field boundary, the large equipment will destroy the integrity of the sod driveways when turning into the next pass.

**Demonstrators must provide sufficient self-unloading wagons and tractors to handle harvesting and to deliver to the grain storage area.** Wagons and tractors used to deliver grain to the Dryer Area cannot exceed 10 feet in width and total of 30 feet in length. No side delivery auger wagons or tractors with duals will be permitted in the Dryer Area. They may be used in the fields only. Any grain in side delivery wagons must be transferred to other wagons for delivery to the Dryer Area. ***Gravity wagons larger than 500 bushel should not be pulled in tandem. The weight of the wagon can severely damage the scales.***

**Soybean harvesting.** All soybeans are drilled in 7 ½ inch rows. Combines will operate on plots assigned to each company. Note the field and time of operation for each afternoon on the schedule sheet. Demonstrators are to provide wagons or trucks to transport soybeans to the Dryer Area. **Each combine must have a support person in the field for safety. Please continue to monitor crop loss from the combine. There has been a lot of grain left behind the combine in the demonstration fields.**

**Corn harvesting.** **No a.m. corn harvest. Each combine must have a support person in the field for safety.** Companies will be limited to their designated area, regardless of the number of combines intended to operate. All corn is planted in 30" rows. **No rear-mounted choppers will**

**be permitted on any corn combine. Please continue to monitor crop loss from the combine. There has been a lot of grain left behind the combine in the demonstration fields.**

**GPS Technology/ Strip-till.** All equipment will be demonstrated on plots assigned to individual companies. Each company will have approximately the same area to work during any given program. If a larger area is need for sprayer demonstration, please contact the Review management. If the equipment needs to be in the field prior to demonstration time for GPS set-up, please inform the Review management.

**Tillage tools.** Tillage operations will be on cornstalks, soybean stubble, or wheat stubble. Plowing depth must be in the 6-8 inch range to avoid turning up subsoil. Deep tillage demonstrations are not to exceed an operating depth of 14 inches to prevent damage to old drainage tile. End rows should not be worked.

**Manure Application.** Manure application demonstrations will take place on cornstalks, wheat stubble or soybean stubble. Equipment will be operated on plots assigned to individual companies. Composted material will be available for dry box spreaders and water will be used in liquid applicators. For bio-security reasons, **NO ANIMAL MANURE WILL BE APPLIED DURING MANURE APPLICATION DEMONSTRATIONS.**

## **SAFETY REGULATIONS**

The Review recognizes that a competitive spirit exists among exhibitors. This is often displayed during field demonstrations via operation at excessive speed and other actions not typical of normal farm operations. Exhibitors should recognize that speed alone is not the criteria for efficient performance. The Review recommends that all demonstrations be conducted accordingly.

Specifically, the Review requires the following:

1. Only the operator is permitted to ride on the tractor or self-propelled machine, unless appropriate safe seating is provided.
2. Machinery is to operate at a safe speed; no horseplay or hot rodding permitted. Equipment with automatic steering control systems must be operated with the driver remaining in the cab and in control at all times.
3. When demonstrating machines, operators are to be alert for people who are observing.
4. All guards and shields are to be in place on both moving and stationary demonstrations and displays.
5. Only mature individuals can operate field machinery.

6. Running machinery must be attended at all times. If machines become clogged or require adjustments, turn the power unit off before making repairs, adjustments or unclogging.
7. All operating electrical equipment must be properly grounded.
8. Hazardous projections from machines and exhibits are to be roped off or guarded from the general public.
9. All displays must be constructed with the thought in mind that visitors are there to learn and are naturally curious. They may lift protective shields, turn valves or trip over gas lines and extension cords.
10. Tractors must be equipped with rollover protection devices (ROPS) and seatbelts. Operators are required to wear seat belts while equipment is in motion.
11. Rear choppers are prohibited on corn combines.
12. Demonstrators of field equipment are encouraged to wear proper personal protective equipment.
13. No pesticide may be applied as part of any field demonstration.
14. For bio-security reasons, no animal manure will be applied during any manure application equipment demonstration.

Failure to comply with all rules and regulations of the Farm Science Review will result in forfeiture of exhibiting and demonstrating privileges.

**OHIO STATE FARM SCIENCE REVIEW  
TENTATIVE FIELD EQUIPMENT DEMONSTRATIONS  
SEPTEMBER 22, 23, & 24, 2009**

**All demonstrations are scheduled to run 1.5 hours.**

<b><u>DEMONSTRATION</u></b>	<b><u>TUES.</u></b>	<b><u>WED.</u></b>	<b><u>THURS.</u></b>
<b>Corn Harvest</b>	<b>12:30</b>	<b>12:30</b>	<b>12:30</b>
<b>GPS Technology/Strip-Till</b>	<b>1:00</b>	<b>1:00</b>	<b>1:00</b>
<b>VRT Lime Application</b>	<b>1:30</b>	<b>1:30</b>	<b>1:30</b>
<b>Manure Application Equip</b>	<b>1:30</b>	<b>1:30</b>	<b>1:30</b>
<b>Tillage</b>	<b>2:00</b>	<b>2:00</b>	<b>2:00</b>
<b>Soybean Harvest</b>	<b>2:30</b>	<b>2:30</b>	<b>2:30</b>

- Thursday Soybean Harvest will end at 3:30 pm.

**Directions to the north machinery storage area: Go north on St. Rt. 38 out of the FSR exhibit area and turn into the grain bin complex and continue past the bins to the machinery storage area.**

