



# 4-H Tractor Poster – Level C (Grades 7-9)

## Record Sheet

Record for Year \_\_\_\_\_

A completed record sheet is due by the last business day of June to exhibit each project at the fair.  
Use any 4-H publications, the internet, the library, or a professional to help you prepare your responses.

### The Basics

Name \_\_\_\_\_ 4-H Club \_\_\_\_\_

Years in 4-H \_\_\_\_\_ Grade \_\_\_\_\_ Years in Project \_\_\_\_\_

### Starting Up

What is a drawbar and how is it used with tractors and farm machinery? \_\_\_\_\_  
\_\_\_\_\_

What is the difference between an open hydraulic system and a closed hydraulic system? \_\_\_\_\_  
\_\_\_\_\_

Think about fuels. What is the difference between octane and cetane? \_\_\_\_\_  
\_\_\_\_\_

Explain how a dry charged batter differs from a wet charged battery. \_\_\_\_\_  
\_\_\_\_\_

What is the difference between a dry type air filter and an oil bath air filter? \_\_\_\_\_  
\_\_\_\_\_

### Operating

List four maintenance checks you should perform before operating a tractor.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

What safety precautions should you consider when working with an auger? \_\_\_\_\_  
\_\_\_\_\_

In what ways is flowing grain (in a bin or wagon, for example) dangerous to children and adults? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

When connecting a PTO implement and hydraulics to a tractor, should the engine be running, why or why not?

---

### **Rolling On**

Provide a brief description of your 4-H exhibit or plan for your exhibit. \_\_\_\_\_

---

We do not necessarily care what you spent constructing your exhibit, but it is good for you to understand that things have a cost. Even poster boards are not free. Approximately how much did you spend constructing your exhibit or think you'll spend once it is complete?

\$0.00-\$5.00    \$5.00-\$15.00    \$15.00-\$30.00    \$30.00-\$50.00    Greater than \$50.00

### **Making Progress**

Name three institutions in which you could study ag mechanics.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Name three occupations, professions, or careers related to tractors.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Of the careers you listed, which appeals to you the most and why? \_\_\_\_\_

---

What is one thing you learned or sparked your interest as a result of completing this project? \_\_\_\_\_

---

In what way does this project apply to your life, or why is this subject matter important to you? \_\_\_\_\_

---