



4-H Tractor & Operator Skills

Senior Division (Grades 8-12) Record Sheet

| | |
|-----------------------------------|-------|
| Completed (40 possible) | _____ |
| Accuracy of answers (30 possible) | _____ |
| Appropriate grammar (15 possible) | _____ |
| Neatness of record (15 possible) | _____ |
| Total | _____ |
| A = 86-100 points | |
| B = 71-85 points | |
| C = 70 points or less | |

Record for Year _____

A completed record sheet is due by the last business day of May 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? _____
