

Georgia FFA Association
Tractor Operations & Maintenance CDE
2025-2026 Description Sheet
Revised 7/31/2025

Event Format

- 1. Written Exam – 20 MC questions over information from the references below**
- 2. Problem Solving – 10 problem-solving questions/activities relating to tractor servicing, safe operation, troubleshooting, care, and maintenance.**
- 3. Tractor Operations**
 - **Explain pre-warm-up procedure**
 - **Operate the tractor and implement through the driving the course**

Test References:

- **Fundamentals of Machine Operation-Tractors – Current Edition**
 - **Chapters 1, 2, 4, 6, & 8**
- **JD 5045E manual**
https://www.georgiaffa.org/docs/sidemodules/25100_John%20Deere%205045E,%205055E,%205065E,%205075E%20FT4%20Tractors%20Operators%20Manual.pdf
 - **Sections**
 - **Controls and Instruments – 15**
 - **Rockshaft and 3-Point - 55**
 - **Hydraulics and Selective Control Valves - 60**
 - **Specifications - 130**
- **John Deere Fundamentals of Machine Operation - Power Trains – Current Edition**
 - **Sections**
 - **Power Trains – How they work - 1**
 - **Hydrostatic Drives – 5**
 - **Final Drives - 9**