**Knowledge Test**

**Agricultural Tools and Materials Career Development Event**

**2014**

**Instructions to Participants:**

*You are to choose the correct use for each of the following tools. After you have chosen a use for a given tool, place the appropriate letter in the space to the left of the tool.*

Contestant Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Contestant Number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contestant’s Chapter Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_1. Vise grip pliers A. Marking irregular cuts

\_\_\_\_\_2. Portable jig saw B. Gripping when greater pressure is needed

\_\_\_\_\_3. Soil tube C. Reaching nuts and bolts around obstructions

\_\_\_\_\_4. Coping saw D. Obtaining soil for testing

\_\_\_\_\_5. Carriage bolt E. Used for bolting wood to wood or wood to metal

\_\_\_\_\_6. Groove joint pliers F. Cutting curves and irregular cuts

\_\_\_\_\_7. Obstruction wrench G. Removing broken bolts, studs and screws

\_\_\_\_\_8. Box end wrench H. For fastening wood or metal to metal with a

\_\_\_\_\_9. Roundhead stove bolt wrench and leaving a flat surface

\_\_\_\_\_10. Machine bolt I. Turning various size nuts and bolts

\_\_\_\_\_11. Flathead stove bolt J. For extra firm gripping

\_\_\_\_\_12. Roundhead wood screw K. Reaching into recessed areas

\_\_\_\_\_13. Flathead wood screw L. Turning hex head nuts and bolts

\_\_\_\_\_14. Slip joint pliers M. For extra firm gripping of welding materials

\_\_\_\_\_15. Lag screw N. Turning hex and square nuts and bolts

\_\_\_\_\_16. Combination wrench O. Screw used where great pressure to turn is required

\_\_\_\_\_17. Adjustable wrench P. For fastening wood to wood where a flat surface is required

\_\_\_\_\_18. Compass saw Q. Cutting wood in close places

\_\_\_\_\_19. Bent nose pliers R. Adjust for holding various size materials

\_\_\_\_\_20. Long nose pliers S. For fastening metal to metal with a wrench

 T. For fastening wood to wood

 U. Reaching obstructive or awkward places

 V. Boring into soil to get samples

 W. Turning square head nuts and bolts

 X. For fastening wood or metal to metal with a

 screwdriver and wrench

 Y. Turning hex head socket screws