
Machinery

Directions: Use the provided literature to answer the following questions about the machine displayed for you.

Flexstar Herbicide Label

1. What is the minimum spray volume to be used when applying Flexstar in dense foliage with a pull-type sprayer?
 - A. 10 gallons per acre
 - B. 15 gallons per acre
 - C. 20 gallons per acre
 - D. 25 gallons per acre

2. What type of nozzle(s) would be acceptable for ground application of Flexstar?
 - A. Flat-fan
 - B. Flood-type
 - C. Hollow cone
 - D. Both A and C

3. At what application rate would Flexstar control common lambsquarters that was in the second leaf stage?
 - A. .75 pint per acre
 - B. 1.0 pint per acre
 - C. 1.25 pint per acre
 - D. Control can not be achieved

4. At what application rate would Flexstar control these three weeds if you were located in Region 3?
Cocklebur: sixth leaf stage
Ivyleaf Morningglory: third leaf stage
Common Waterhemp: fourth leaf stage.
 - A. .75 pint per acre
 - B. 1.0 pint per acre
 - C. 1.25 pint per acre
 - D. 1.5 pint per acre

5. How many gallon of Flexstar is needed to treat 160 acres of soybeans at a rate of 1.0 pint per acre?
 - A. 12 gallon
 - B. 20 gallon
 - C. 35 gallon
 - D. 40 gallon

TeeJet Manual

6. What type of TeeJet nozzle is the Case SPX3200B equipped with?
 - A. DG11003-VS
 - B. DG8008VS
 - C. XR8008VS
 - D. XR11008-VS

7. You are using tip #7 in a broadcast application. What is the angle of the spray pattern, in degrees, of that nozzle?
 - A. 30 degrees
 - B. 03 degrees
 - C. 80 degrees
 - D. 110 degrees

8. According to the TeeJet manual, what is the minimum spray height, in inches, for an extended range flat fan nozzle used in broadcast application with a spray pattern angle of 110 degrees?
 - A. 15-18 inches
 - B. 23-25 inches
 - C. 17-19 inches
 - D. None of the above

9. You are using a XR11008VS flat fan nozzle in a broadcast application. Your pressure is set on 30 pounds per square inch and you are traveling 10 miles per hour. How many gallons per acre would you be applying?
 - A. 18 gallons per acre
 - B. 20 gallons per acre
 - C. 24 gallons per acre
 - D. 29 gallons per acre

Case SPX 3200B Field Sprayer

10. What is the engine rated horsepower of the Case SPX3200B?
 - A. 180
 - B. 275
 - C. 200
 - D. 300

11. How many speed ranges does the Case SPX3200B have?
 - A. 1
 - B. 2
 - C. 3
 - D. 4

12. What is the capacity of the spray tank of the Case SPX3200B?
 - A. 750 gallon
 - B. 800 gallon
 - C. 900 gallon
 - D. 1200 gallon

13. What type of cab air filter does the Case SPX3200B come equipped with?
 - A. Charcoal activated
 - B. Plain paper element
 - C. Oil bath
 - D. None of the above

14. The item labeled #14 is what type of pump?
 - A. Piston
 - B. Vane
 - C. Centrifugal
 - D. Roller

15. What is the item labeled #15?
 - A. Nozzle
 - B. Sensor
 - C. Relief valve
 - D. Foam marker

16. What is the function of the item labeled #16?
 - A. Monitor application rate
 - B. Provide guidance when doing field work
 - C. Break away when encountering obstructions
 - D. Serves absolutely no function

17. What is the item labeled #17?
 - A. Chemical inductor
 - B. Foam marker tank
 - C. Rinse water tank
 - D. Dry storage compartment

18. How many nozzles can the nozzle bodies on the Case SPX3200B be equipped with at one time?
 - A. 0
 - B. 1
 - C. 3
 - D. 5

John Deere 9510 Combine

19. What is the displacement of the engine in the 9510?
 - A. 7.0 L
 - B. 7.3 L
 - C. 8.1 L
 - D. 10.2 L

20. What is the capacity of the grain tank on the 9510?
 - A. 185 bushel
 - B. 204 bushel
 - C. 225 bushel
 - D. 250 bushel

21. What should the chaffer setting be for shelling corn?
- A. 5/8 inch
 - B. 7/16 inch
 - C. 3/8 inch
 - D. 7/8 inch
22. What is the item labeled #22?
- A. Clean grain elevator
 - B. Sieve
 - C. Feeder house
 - D. Unloading auger
23. What is the function of the straw walkers on the 9510?
- A. Threshing
 - B. Separation
 - C. Cleaning
 - D. Serves absolutely no function
24. What is the item labeled #24?
- A. Feeder house
 - B. Unloading auger
 - C. Straw walker
 - D. Tailing auger
25. What is the function of the item that is labeled #25?
- A. Feed the crop mat to the cylinder
 - B. Carry grain to the straw chopper
 - C. Clean the grain free of chaff and tailings
 - D. Unload the grain from the grain tank