QUICKIE-QUIZ

Proper calibration of spray equipment

Туре	Operating Range	Maximum Pressure	Materials Handled	Durability
Roller	300-1000 rpm	350 psi	wide range w/ proper rollers	spraying pressure decreases with wear, but worn rollers are
Piston	100-600 rpm	1000 psi	0.001	easily replaced
Centrifugal	1200-3500 rpm		any	long life
Diaphram	and the second	200 psi	any	long life
Gear	200-12,000 rpm 500-1800 rpm	100 psi 100 psi	any oil emulsions & nonabrasives not for wettable powders except when gears are of nylon	long life limited life under adverse conditions, spraying pressure & capacity decreases with wear
Flexible impeller	500-1500 rpm	50 psi	wettable pow- ders, mild abrasives	moderate
Sliding vane rotary	500-600 rpm	125 rsi	limited to oil and oil emul- sions	spraying pressure and capacity decreases w/wear
 Which of the following are important factors in the calibration of a sprayer? a) discharge rate per nozzle b) ground speed of the sprayer c) nozzle spacing and boom length d) recommended application rate e) all of the above One way to achieve uniform coverage would be to: a) use a higher rate of product b) spray the area more than once c) adjust the height of the boom d) spray against the wind 		would	 a) adjusting the speed of the sprayer b) changing pump pressure c) altering the discs or nozzle sizes d) moving the boom closer to the surface 7. To reduce the risk of drifting, you should: a) use more narrow angle nozzles b) use more wider angle nozzles c) increase ground speed d) reduce ground speed 8. What percentage of overlap is best for most uniform coverage? a) 25 percent b) 35 percent 	
To spray 17 to 19 inches from the ground, what series of spray nozzle is recommended?: a) 80 degree series			b) 35 percent c) 50 percent d) 75 percent	
b) 73 degree series c) 65 degree series			 9. Nozzles on heavily used equipment should be replaced: a) annually 	
As the orifices of the sprayer nozzle tips become worn, the spray pattern: a) usually remains the same b) is modified and more material is released c) is modified and less material is released		eleased	 b) twice a year c) monthly d) after each applid 1. Allowing for factors a sector of the sector of t	such as wind and
The lower the pump pressure, the spray delivered. a) more b) less c) faster d) slower				re should not be more rcent error in