Badger Weeds Team - Calibration Problem

A researcher wants to spray two PRE-emergence herbicides on a greenhouse study he is conducting using a single nozzle spray chamber. The spray chamber operates at 2 mph and the nozzle height is set to represent a 20-inch nozzle spacing scenario. The mix size is 500 ml.

Treatm	nent 1: Tricor 75DF at 0.	66 / IDS/A	
Treatm	nent 2: Spartan 4F at 8 fl	oz/A	
1.	How much product wi rate? Round to the near	II he need (round to the nearest hundredth) in a mix using 10 GPA carrier arest hundredth.	
Treatm	nent 1:	g	
Treatm	nent 2:	_ ml	
2.	What is the amount of	active ingredient in each mix? Round to the nearest hundredth.	
Treatm	nent 1:	_ g of metribuzin	
Treatm	nent 2:	_ g of sulfentrazone	
3.	He decided to change his carrier rate from 10 GPA to 15 GPA. Does he need to adjust the herbicide amount per mix? If so, what amount of product will be needed in a mix? Round to the nearest hundredth.		
Treatm	nent 1:	_ g	
Treatment 2:		ml	
4.	What is the amount of nearest hundredth.	active ingredient in each mix (carrier rate = 15 GPA)? Round to the	
Treatm	nent 1:	_ g of metribuzin	
Treatm	nent 2:	_ g of sulfentrazone	
5.	Spraying at 15 GPA, what nozzle size would be ideal for this application? To assure the sprayer is properly calibrated, what is the solution amount he should catch in 15 seconds?		
No	zzle size:		
m	l in 15 sec:	(round to the nearest hundredth)	