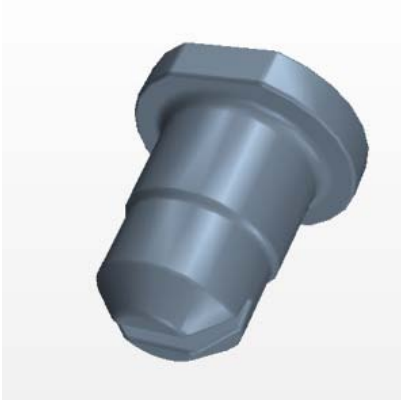
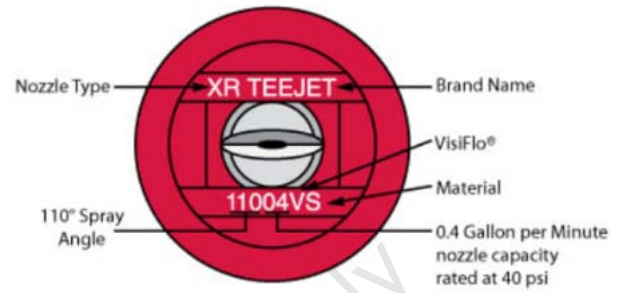


Appendix Figures



A) Geometry

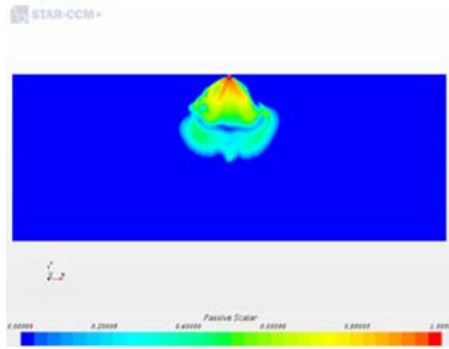


B) Nozzle nomenclature

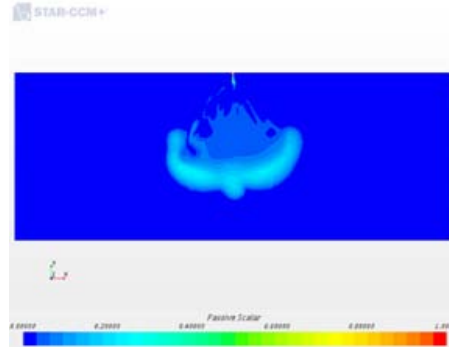
Appendix Figure 1. A-B) Nozzle information.



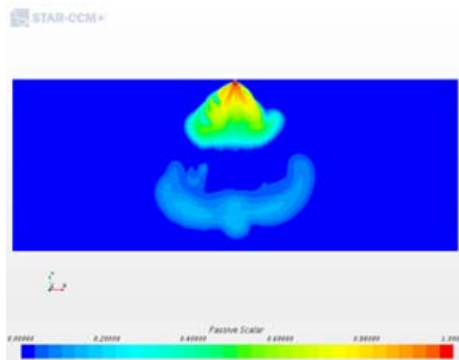
Appendix Figure 2. Experimental testbed for sprayer nozzles.



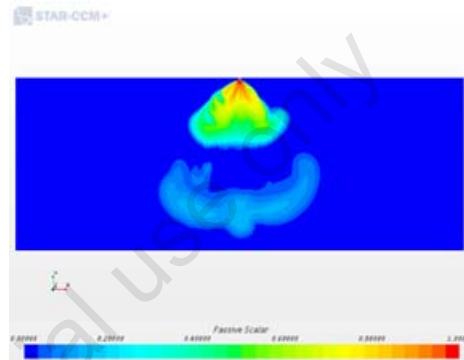
A) 0.05 seconds



B) 0.1 seconds

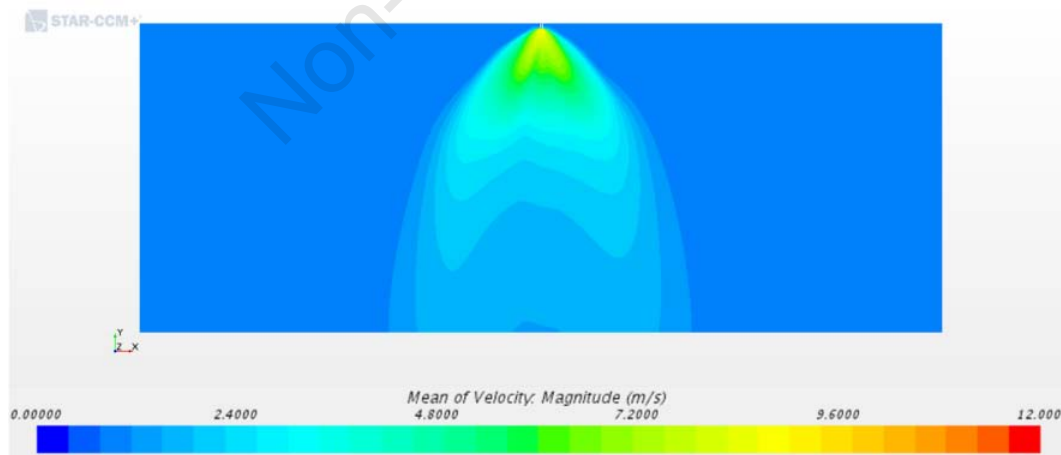


C) 0.15 seconds

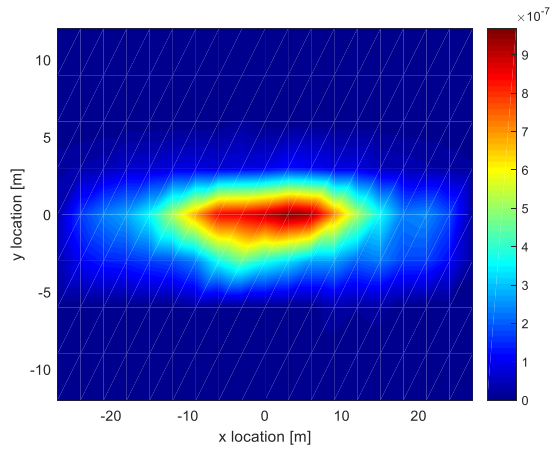


D) 0.2 seconds

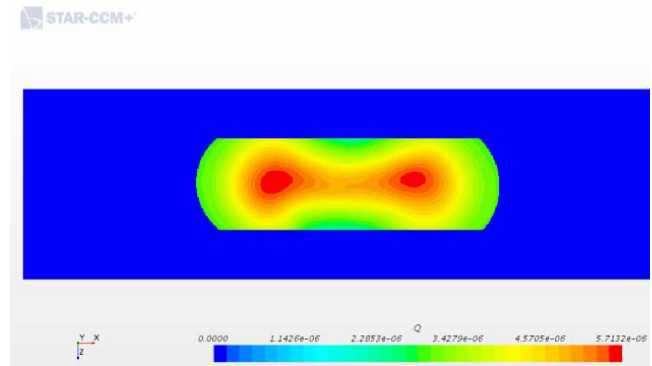
Appendix Figure 3. A-D) Pulsed simulation passive scalar.



Appendix Figure 4. Time averaged spray plume.

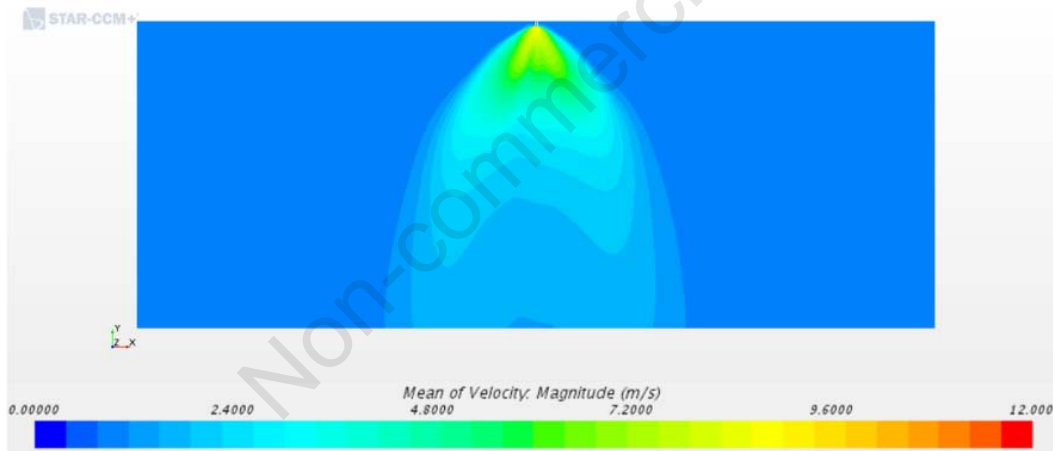


A) Experimental

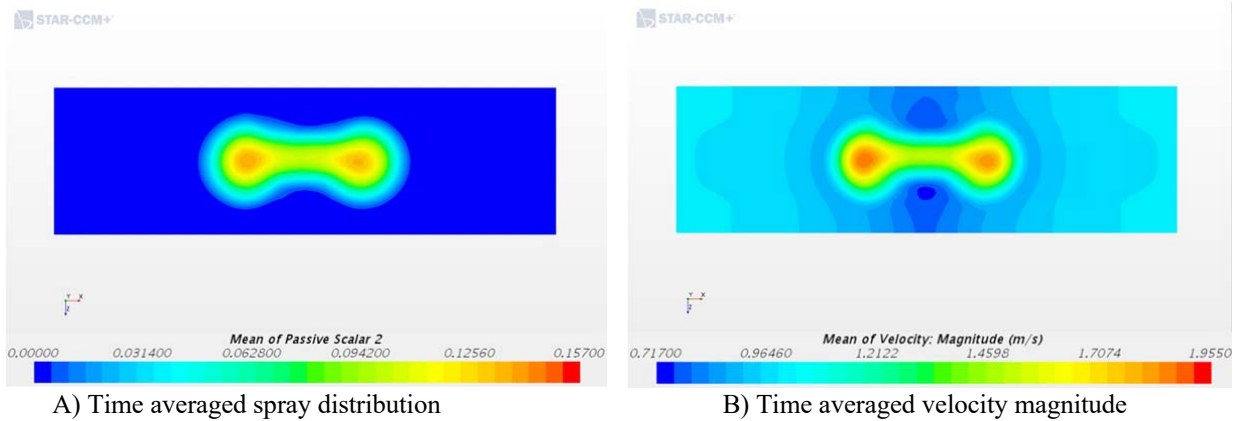


B) Simulation

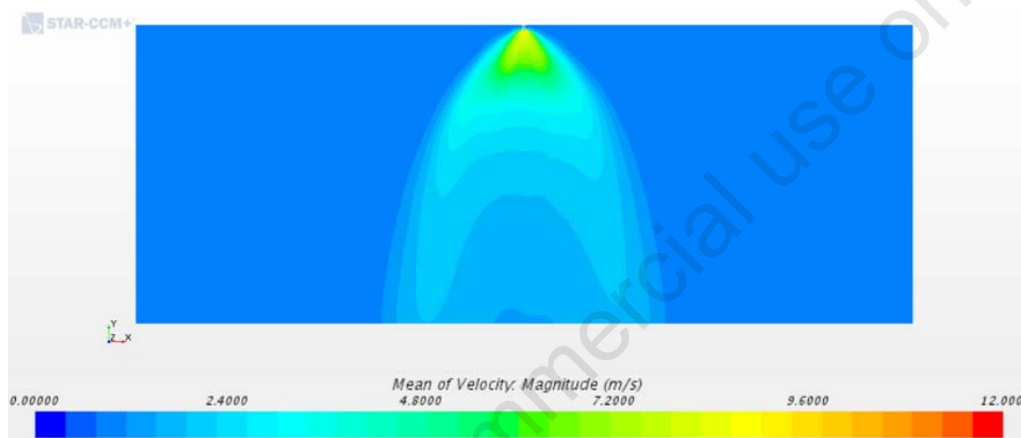
Appendix Figure 5. A-B) Flowrate on plane 20 in. Below the nozzle [m³/s].



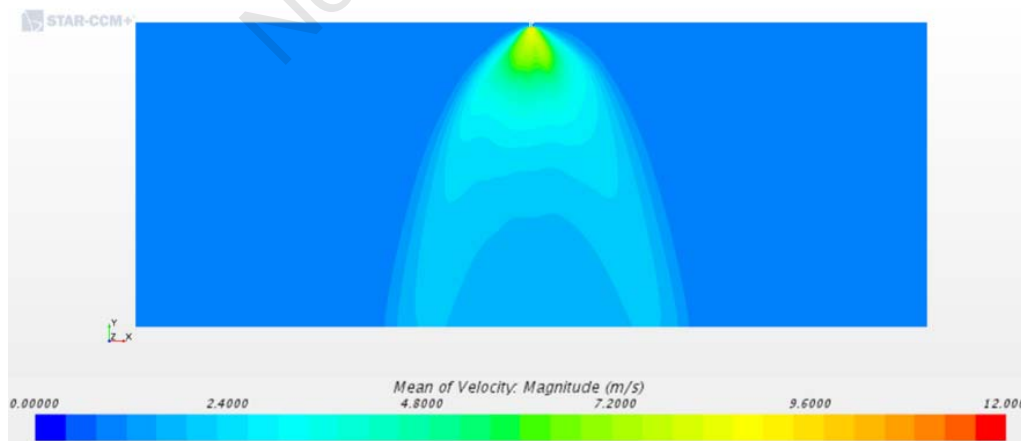
Appendix Figure 6. Time averaged spray plume at a frequency of 10 Hz.



Appendix Figure 7. Results at 20 Hz.



Appendix Figure 8. Time averaged spray plume at 20 Hz.



Appendix Figure 9. Time averaged spray plume at a frequency of 30 Hz.