Assignment 8

For complete coverage within the three bridges, the Number Median Distance (NMD) of all of the dust particles released from a dryer should be less than the value of 1.Kmm. As a result of the simulation, the following NMD values were obtained:

A. 1.2 km
B. 1.3 km
C. 1.5 km
D. 1.6 km

The correct answer is B: 1.3 km.

The operating process of the four-rotor sprayer range from:

A. 17 m
B. 24 m
C. 30 m
D. 35 m

The correct answer is C: 30 m.

The shower sprayer equipped with given pump is used to spray the liquid in a range of 35 m. If the pump has a rate of 0.5 l/s and a pressure of 450 kPa, then the distance required to operate this pump is given by:

A. 0.75 km
B. 1.0 km
C. 1.5 km
D. 2.0 km

The correct answer is B: 1.0 km.

The sprayer pressure being Vickers Median Distance (VMD) in the range of 35 m to 50 m is linear in the range between:

A. 0.5 km
B. 1.0 km
C. 1.5 km
D. 2.0 km

The correct answer is A: 0.5 km.

In chemical spraying systems, mechanical agitation is normally preferred over the hydraulic agitation for pressures above:

A. 15 kPa
B. 20 kPa
C. 30 kPa
D. 40 kPa

The correct answer is C: 30 kPa.

The relationship between the Vickers Median Distance (VMD) and the sprayer median distance (MD) gives a:

A. 3:2
B. 2:3
C. 1:2
D. 1:3

The correct answer is B: 2:3.

The boom sprayer equipped with a hollow cone nozzle is operating at a speed of 3 km/h with a spray opening of 90 cm. If the application rate is 300 liters per hour, how much water has to be added to the boom sprayer to operate it:

A. 1.0 L
B. 1.5 L
C. 2.0 L
D. 2.5 L

The correct answer is C: 2.0 L.

The Uniformity of deposition of the chemical from a sprayer must under laboratory conditions can be determined using the strip barriers as:

A. Substrate
B. Inertial method
C. Unilateral method
D. Glucose paper such as Indices or Imprints

The correct answer is A: Substrate.