The standard depth formula when re-arranged can yield some very useful information. The most useful of these is when it is re-arranged for hours.

$$d = \frac{Q * H}{A * 453}$$

$$A = \frac{Q * H}{d * 453}$$

$$Q = \frac{d * A * 453}{H}$$

$$H = \frac{d * A * 453}{Q}$$

$$Rt = \frac{Cir}{60 * FPM}$$

$$Cir = 2 * r * \pi$$

Where:

d = Depth of application in inches (mm)

A = Area in acres (Ha)

Q = flow in gpm (m³/h)

H = Hours

Rt = Rotation time in hours

Cir = Circumference

r = Radius of mother machine

FPM = Machine speed in feet per minute (meters per min.)

453 = For metric use 10 for HA, m³/h & mm

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