

## Conversion Formulas for Seed Meter Parameters



$$\text{Seeding Rate (seeds/ac)} = \frac{\text{Meter Speed (rpm)} * \text{Holes per Plate} * 43,560}{\text{Ground Speed (mph)} * \text{Row Width (ft)} * 1.47 * 60}$$

$$\text{Meter Speed (rpm)} = \frac{\text{Seeding rate (seeds/ac)} * \text{Ground Speed (mph)} * \text{Row Width (ft)} * 1.47 * 60}{\text{Holes per Plate} * 43,560}$$

$$\text{Seed Spacing (inches)} = \frac{43,560 * 144}{\text{Row Spacing (in)} * \text{Seeding Rate (seeds/ac)}}$$

$$\text{Seeding Rate (seeds/ac)} = \frac{43,560 * 144}{\text{Row Spacing (in)} * \text{Seed Spacing (inches)}}$$

$$\text{Seeds per Second} = \frac{\text{Seed Rate (seeds/ac)} * \text{Ground Speed (mph)} * \text{Row Width (ft)} * 5,280}{43,560 * 3,600}$$