

Technical Data Sheet



SIRFLOR® **40-0-0** (Slow Release Nitrogen)

GUARANTEED ANALYSIS

Total Nitrogen (N)	38.5 %w/w
Ureic Nitrogen (N-Ur)	2.5 %w/w
Urea formaldehyde Nitrogen (N-UF)	36.0 %w/w
<i>N from water soluble UF</i>	<i>11.5 %w/w</i>
<i>N from water insoluble UF</i>	<i>24.5 %w/w</i>

RELEASE RATES

In Sirflor® N-38 approximately two-thirds of nitrogen is insoluble in water and release of nitrogen is through microbial activity of the soil (from 5°C). The remaining one-third of the nitrogen is water-soluble. Release of nitrogen from Sirflor® N-38 can last up to ten months as nitrogen is available during the plant growth cycles when micro organisms are most active.

TECHNICAL PARAMETERS

Size	150 SGN
Ph	6.5
Salt Index	1.5
Moisture%	1.5
Activity Index	43 %

SUGGESTED USAGE RATES

SIRFLOR® is a special slow release fertilizer that is useful for providing plants with the full amount of nitrogen required and can be used in mixing with potting mixes or base/side dressing.

The dosage and timing of application are concerning to seasonal conditions and also depends on type of crops.

- 4 to 8 kgs. per 100 square meter
- 3 to 6 kgs. per cubic meter of soil

BENEFITS

- Bio availability of the N in synchronization with root activity
- Does not cause phytotoxicity (low salt index of 1.5 as compared to ammonium sulphate 70, urea 75 and ammonium nitrate 105)
- Facilitates the microbiological activities of the soil (organic carbon content)
- Assists in preventing the softening of tissues or flattening and limiting the onset of fungus and aphid attacks
- Counteracts nitrogen drawdown in soilless mixes