



Neem Oil - How to Mix?

Neem Oil is made up of 100% saturated oils which tend to coagulate around temperatures of 17-18 °C or lower. Follow these simple directions to dissolve Neem Oil:

1. Store Neem Oil container in a warm place to avoid coagulation and to keep it in a liquid form for ease of handling.
2. If Neem Oil is solidified, heat the closed container in a hot water tub or in the boiler room (*in greenhouses*) until it turns into dark brown oil.
3. Shake container, pour out required quantity, dilute it 1:5 using hot water at 65-75 °C in an open container (*pail*).
4. Using a drill mounted paint mixer, shake the mix for 2 minutes until solution turns milky white with a 2 inch layer of foam on top. *This step is critical as only agitation at high speed breaks the oil and fully emulsifies it with hot water. Failure to do so will result in yellow coloured floating material in final solution capable of causing phytotoxicity.*
5. Add the white foamy mix to the remaining water at temperature of 18-19 °C to obtain final dilution. Shake the final mix just by simple stirring. At this stage a surfactant can also be added, especially if the spray is to be applied in an open field.

If the above steps are followed, the final solution will be a homogeneous, milky white mix with no floating oil residue. Use final dilution of 1:100-1:150 (7.5 ml – 10 ml / litre of water) depending on need and frequency of application.

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