

SE14[®] DILUTION, MIXING AND COMPATIBILITY GUIDE

TECH NOTE SERIES

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HOW TO USE SE14[®] HOW TO USE SE14[®]

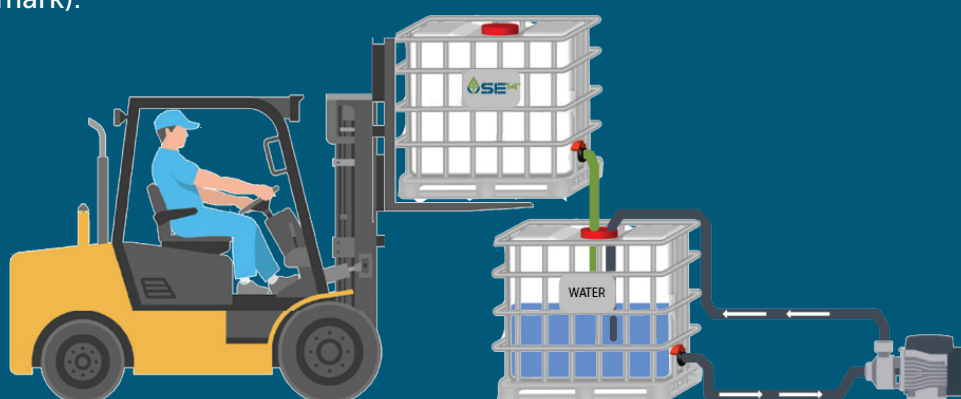
PRE DILUTION

Due to the viscosity of SE14[®], it has the potential to be slow to pump, especially in cold conditions. This can be overcome by pre-diluting with water at a minimum ratio of 1:1 prior to use. The lower the percentage of SE14[®], the faster it will go into solution.

1. When SE14[®] is diluted with water, heat can be generated when the two products interact. Recent lab tests have confirmed when mixing SE14[®] and water (both at 20 and 30°C), the diluted mix initially rose approx. 6°C in temperature however there was no thick gel formation. When the tests were conducted with water at 20°C and SE14[®] at both 10°C and 40°C they mixed together very slowly with a thick gel forming. Any thick gel will go into solution with time.
2. The pre dilution mixing temperature of SE14[®] should be between 20°C – 25°C range otherwise problems of gel formation MAY be encountered.
3. When mixing always add the SE14[®] SLOWLY to the water whilst mixing and recirculating.
4. Mix and recirculate until all SE14[®] has completely dispersed in the water.
5. In colder conditions storing neat SE14[®] in sheds overnight is good practice to prevent the product becoming too cold and viscous. Pre-diluting in warmer conditions is good practice as the SE14[®] flows easier.
6. Once pre-diluted in water, product can be stored for up to 3 months without the need for agitation.

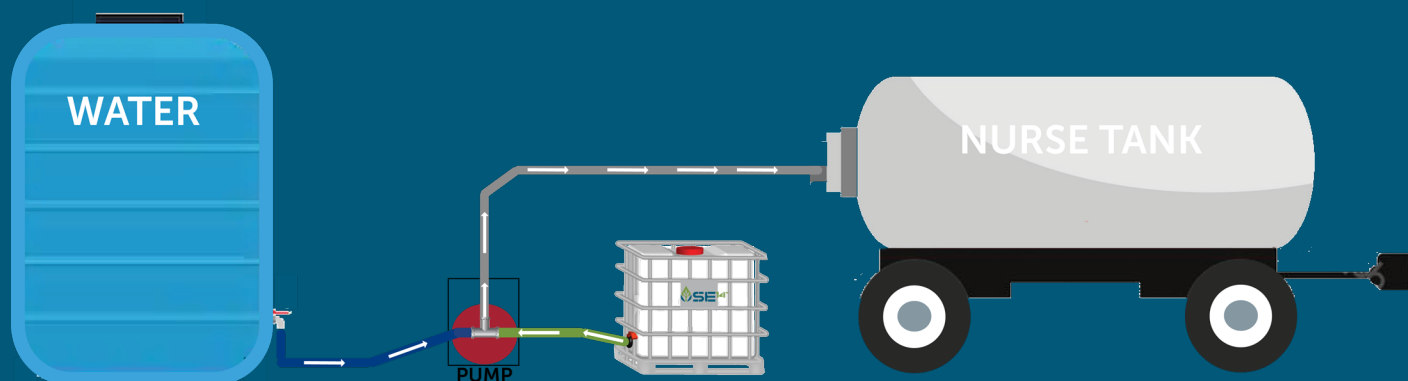
PRE-MIXING TO MAKE 50:50 DILUTION WITH WATER

- Pre fill clean IBC with 500L water.
- While providing gentle recirculation add SE14[®] via gravity feed to water in IBC.
- Ensure when recirculating/returning mixed solution, it is below surface level of original water (i.e below 500L mark).



MIXING WITH WATER PRIOR TO PUMPING INTO NURSE TANK

An alternative to pre-diluting well before sowing begins is to dilute when cartage tanks are being filled. Using a twin pump intake whereby separate hoses are attached to the bottom of an SE14® IBC and a water source, the venturi created allows for the pumping of SE14® and water simultaneously.



1. Draw water into the pump prior to opening the SE14® valve.
2. A diluted mix of SE14® is pumped into the cartage tank.

ADDING SE14® TO LIQUID CARTS

1. Half fill liquid cart with water and/or UAN
2. Commence agitation
3. Add pre-diluted 1:1 SE14® mixture
4. Add trace elements, fungicides or other crop protection/ nutrition products.
5. While agitation continues, top up with required water or UAN

COMPATIBILITY

Successful compatibility test have been carried out with the following products;

- UAN
- Evergol Prime
- Impact (250g/L Flutriafol)
- Various Oxide & Chelated TE's (Cu, Zn, Mo, Mn)
- Uniform
- As with all products, if unsure of the compatibility of a mixture, conduct a jar test prior to mixing larger volumes.