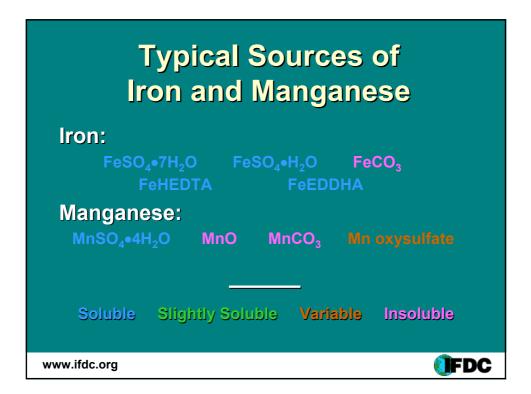
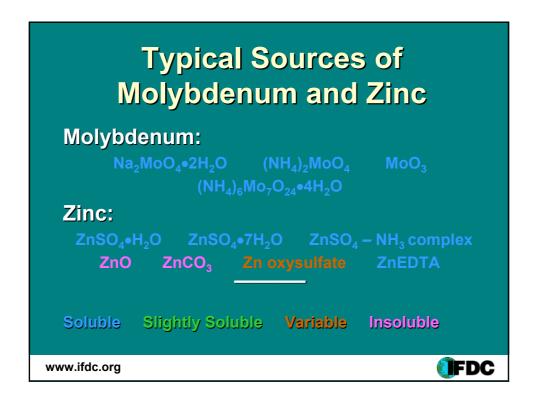
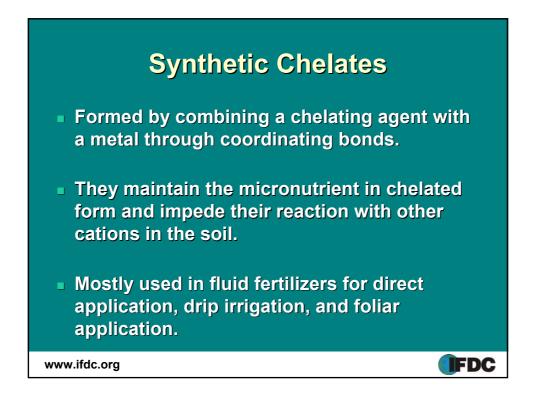


Typical Sources of Boron and Copper
Boron: H ₃ BO ₃ Na ₂ B ₄ O ₇ •5H ₂ O Na ₂ B ₄ O ₇ •10H ₂ O Ca ₂ B ₆ O ₁₁ •5H ₂ O Na ₂ B ₈ O ₁₃ •4H ₂ O
Copper: CuSO ₄ •5H ₂ O CuO CuCO ₃
Soluble Slightly Soluble Variable Insoluble
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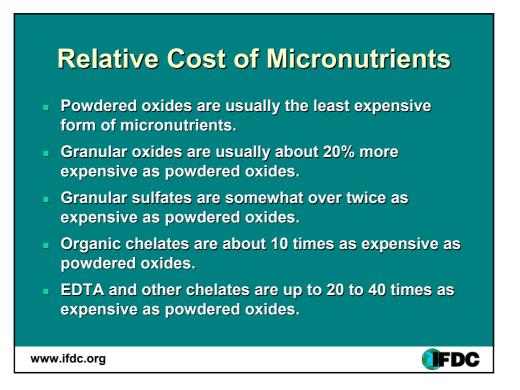




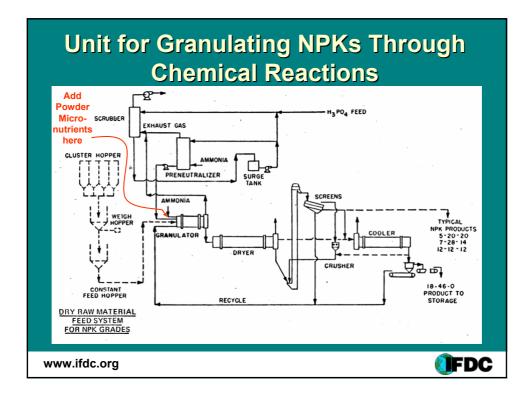
Main Chelating Agents

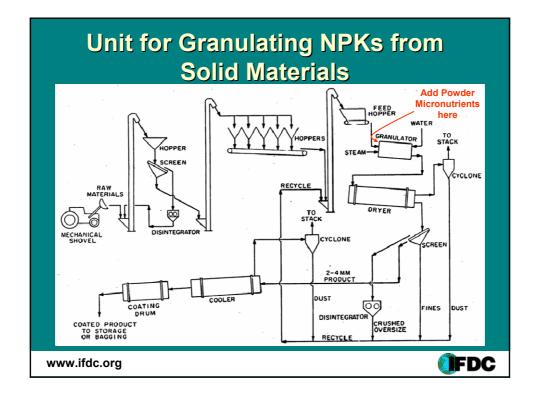
- EDTA ethylene diamine tetraacetic acid
- DTPA diethylene triamine pentaacetic acid
- **EDDHA** [o,o] ethylene diamine-di-(o-hydroxy phenil acetic acid
- EDDHA [o,p] ethylene diamine-N-(o-hydroxy phenil acetic acid)-N'-(p-hydroxy phenil acetic acid)
- HEEDTA 2-hydroxyl ethyl ethylene diamine triecetic acid
- **EDDHMA** [0,0] ethylene diamine-di-(0-hydroxy-o-methylphenyl acetic acid)
- EDDHMA [o,p] ethylene diamine-di-(o-hydroxy-p-methylphenyl acetic acid)
- **EDDHMA** [p,o] ethylene diamine-di-(p-hydroxy-o-methylphenyl acetic acid)
- EDDCHA [2,4] ethylene diamine-di-(2-hydroxy-4-carboxyphenyl acetic acid)
- **EDDCHA** [2,5] ethylene diamine-di-(2-carboxy-5-hydroxyphenyl acetic acid)
- EDDCHA [5,2] ethylene diamine-di-(5-carboxy-2-hydroxyphenyl acetic acid)

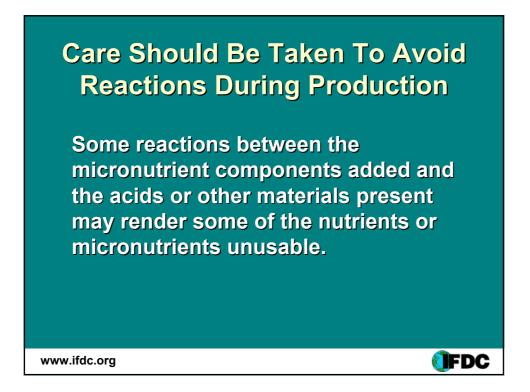
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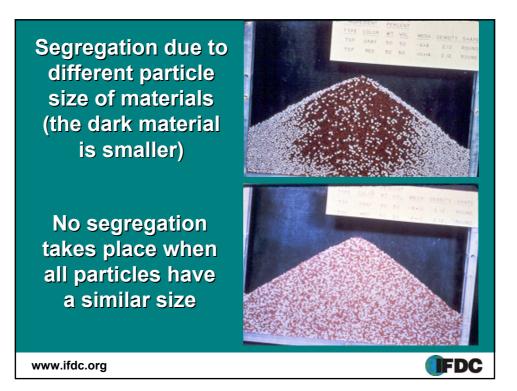


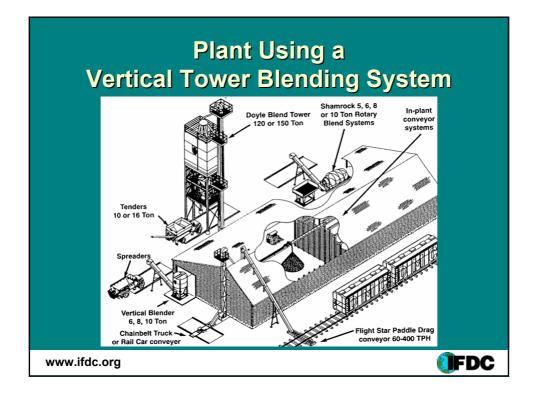


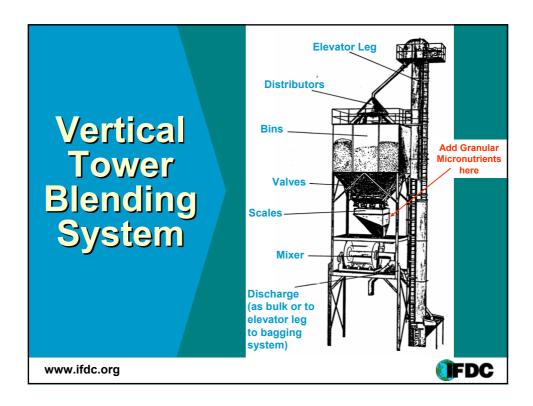
Making Bulk Blends With Micronutrients

It is important, and necessary, that the micronutrients be incorporated in granules of the same size as that of the fertilizer materials. If not, segregation will take place and separate the materials.

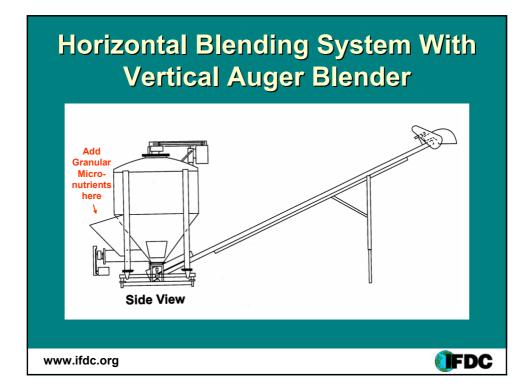
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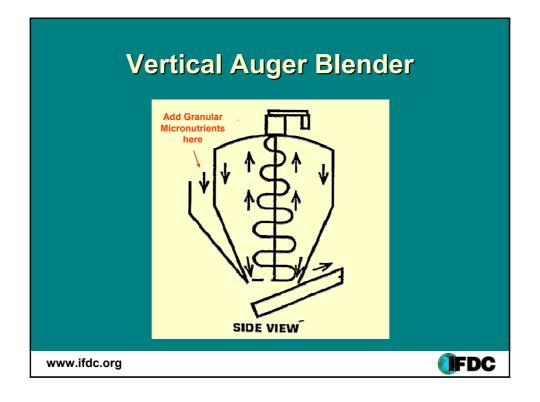




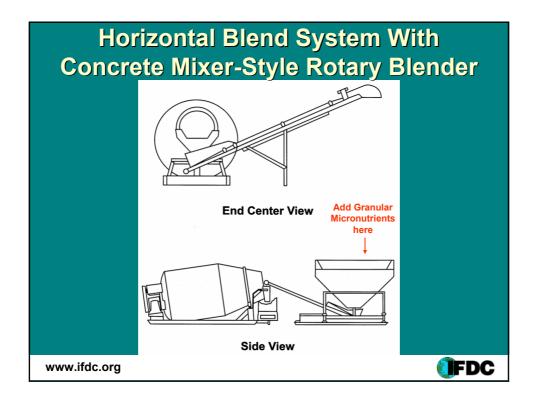


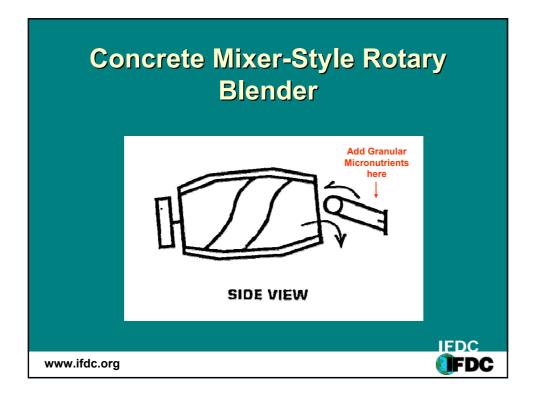




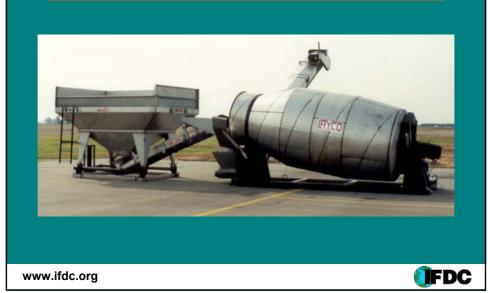








Concrete Mixer-Style Rotary Blender



Another Possible Problem in Making Blends with Micronutrients

If the proportion of granules containing micronutrients is small, even if the fertilizer is well distributed when applied, only a small portion of the plants in the field will have access to the micronutrients and a large portion of the plants in the field will not. Because of this, in many cases it is best to coat all the granules.

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Coating of the Fertilizer Granules

