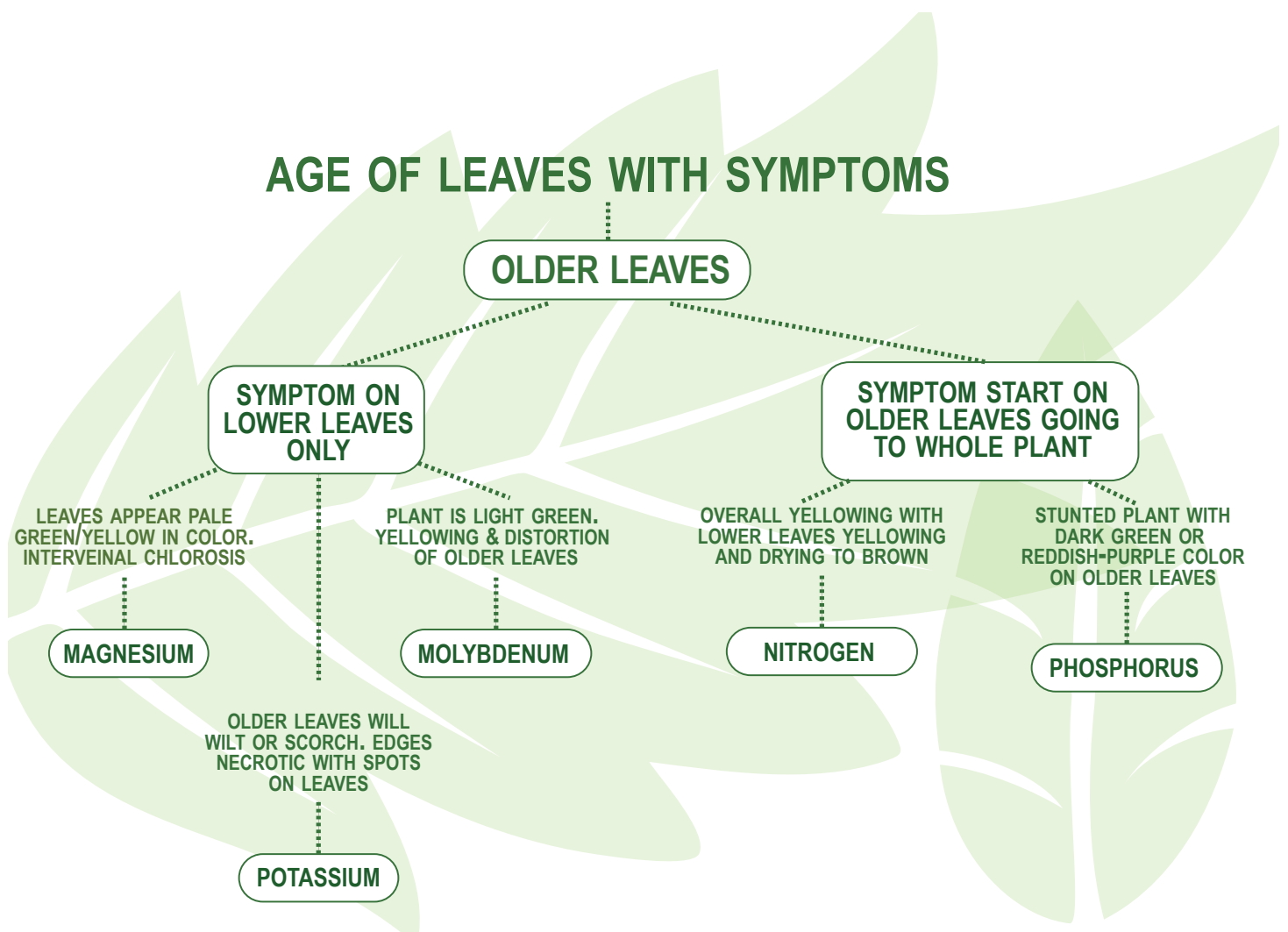


DIAGNOSING NUTRIENT DEFICIENCIES QUICK-REFERENCE

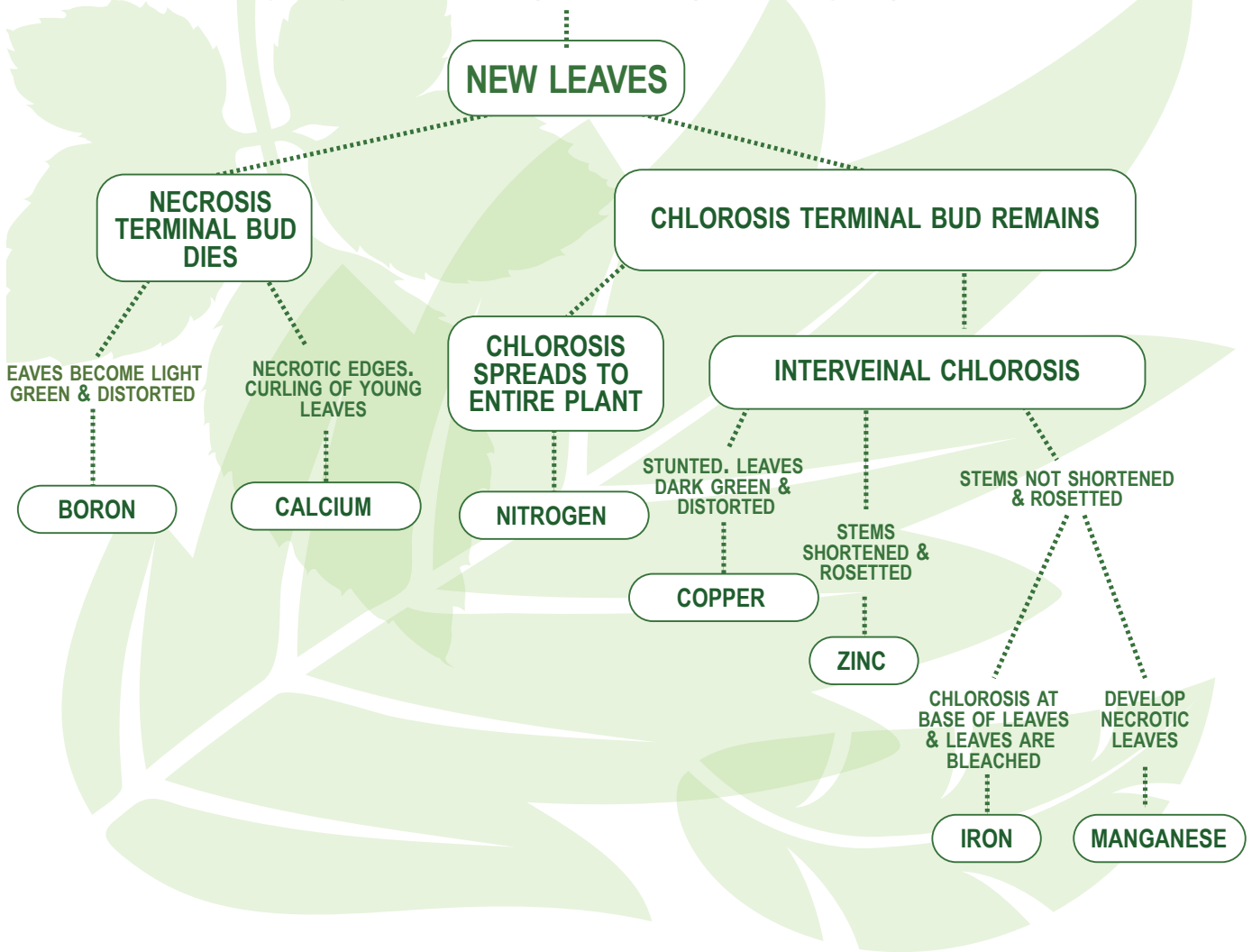
Shawna Loper

Nutrient deficiencies can be identified in field through visual observations. However, additional analysis, either plant or soil testing is often necessary to confirm nutrient stress. The following is a quick-reference flow chart that can be used in field to identify potential nutrient deficiencies. Each nutrient

has unique deficiency symptoms. Deficiencies will appear in many ways. It can be confused with other plant problems like pathogens or spray damage. But nutrient deficiencies can often be recognized because they tend to form symmetrical patterns, where both sides of leaf or plant parts show the same pattern.



AGE OF LEAVES WITH SYMPTOMS



Deficiency Terminology

- Chlorosis: yellowing or whitening of plant tissue due to loss or absence of chlorophyll
- Necrosis: death of cells or tissue
- Terminal bud- bud located at the tip of the stem



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