**Midwest Grape Production Decisions During a Drought Year**

**January**
- **Dry conditions during winter increases likelihood of winter injury.**
- **Depth of young plants.**
- **Soil cover.**
- **Root health.**
- **Winter injury.**
- **Prune.**

**February**
- **Drought can weaken trunks & cases increase susceptibility to disease.**
- **Young plants are more sensitive to dry weather.**
- **Don't plant new grapevines.**
- **Botrytis leaf blight.**
- **Soil health.**

**March**
- **Dry weather decreases severity of fungal disease.**
- **Plant new grapevines.**
- **Begin to spray fungicides & control weeds.**
- **Flower formation & fruit set**
- **Thin grape clusters.**

**April**
- **During drought plants may support fewer fruit clusters.**
- **Dry conditions may dry fruits.**
- **Drought stress disease & weed pressure may be greater.**
- **Spider mites. Weeds.**
- **Disease. Burn on grapes.**
- **Insect damage. Yield.**

**May**
- **Drought lessons disease & weed pressure may be greater.**
- **Red currant leaf blight.**
- **Summer & hot.**
- **Infection, pruning & growth of plants.**
- **Continue to spray fungicides.**
- **Dip & possibly xylem.**

**June**
- **Continue to spray fungicides.**
- **Continue fungicide sprays.**
- **Continue fungicide sprays.**
- **Immediate irrigation only as needed.**
- **Irrigation as needed.**
- **Disrupt irrigation only as needed.**

**July**
- **Heat & precipitation effect sugar to acid ratio.**
- **Red currant leaf blight.**
- **Fruit weight & harvest timing.**
- **Drought may cause spring pruning to move in.**

**August**
- **Adjust irrigation as needed.**
- **Continue fungicide sprays.**
- **Begin to spray fungicides.**
- **Harvest.**

**September**
- **Fruit buds for next year’s crop are developing.**
- **Harvest.**
- **Maintain irrigation as needed.**
- **Continue fungicide sprays.**
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- **Continue fungicide sprays.**

**October**
- **Mulch plants.**
- **Weed control. Plant cover crops.**

**November**
- **Reduce irrigation as needed.**

**December**
- **Outcomes observed.**
- **Drought concerns.**
- **Management decisions.**
- **Crop phenology.**

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**Legend:**
- **Outcome Observed**
- **Drought Concerns**
- **Management Decisions**
- **Crop Phenology**