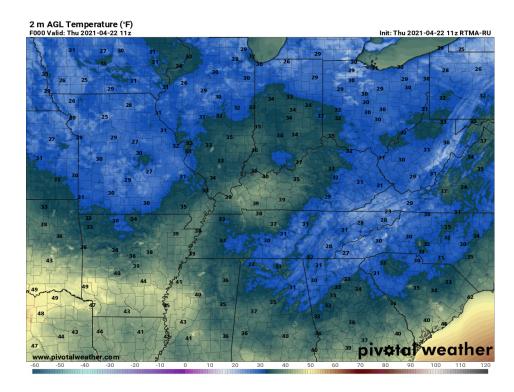


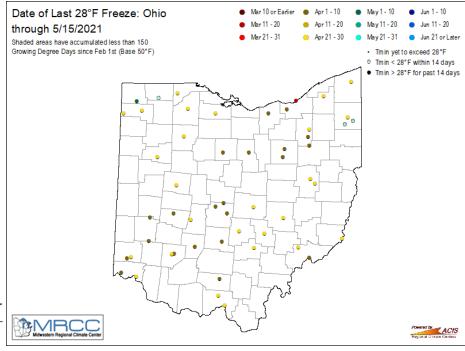
OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER OHIO STATE UNIVERSITY EXTENSION

## Impact of April Frost/Freeze on Grapes in Ohio

Imed Dami, Maria Smith, Gary Gao, and Andy Kirk The Ohio State University

- Statewide frost/freeze
  events occurred on April
  21-22 and Apr 25-26
- 2021 March 12<sup>th</sup> warmest on record and driest in 150 years
- Budbreak 1-2 weeks earlier than normal
- Damage across grape growing regions: worst in Central, NW, and SE. In NE, worst damage (90-100%) in Concord; some damage (20-50%) in early budding vinifera
- Research vineyard,
  OARDC-Wooster: 29.5 F
  (22 Apr), minimum
  damage <1% (growth</li>
  stage EL 3-7)
- Research vineyard, AARS-Kingsville: 27.3 F (26 Apr), no damage, no wind machine operation.







AND ENVIRONMENTAL SCIENCES