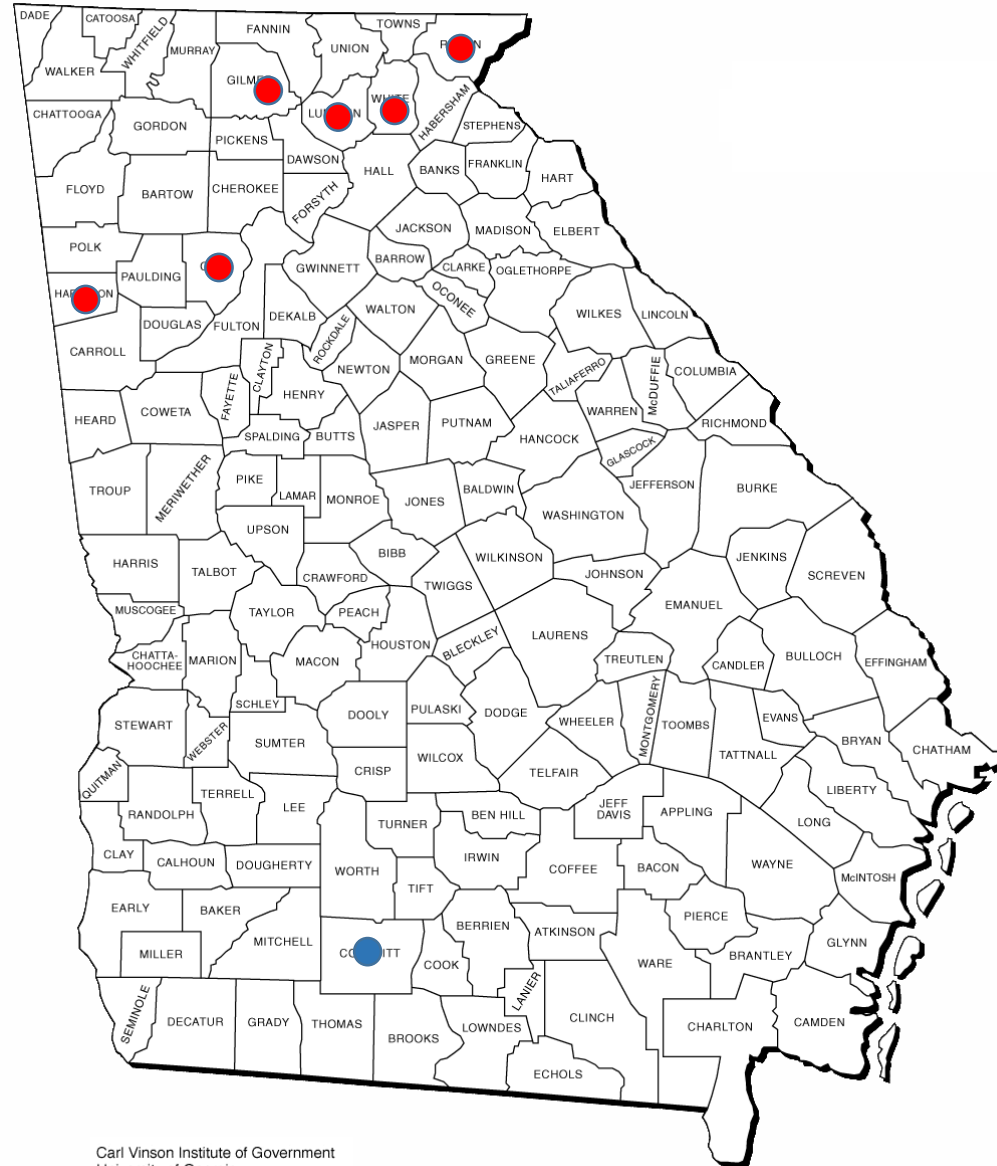


● Resistant
● Sensitive



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QoI

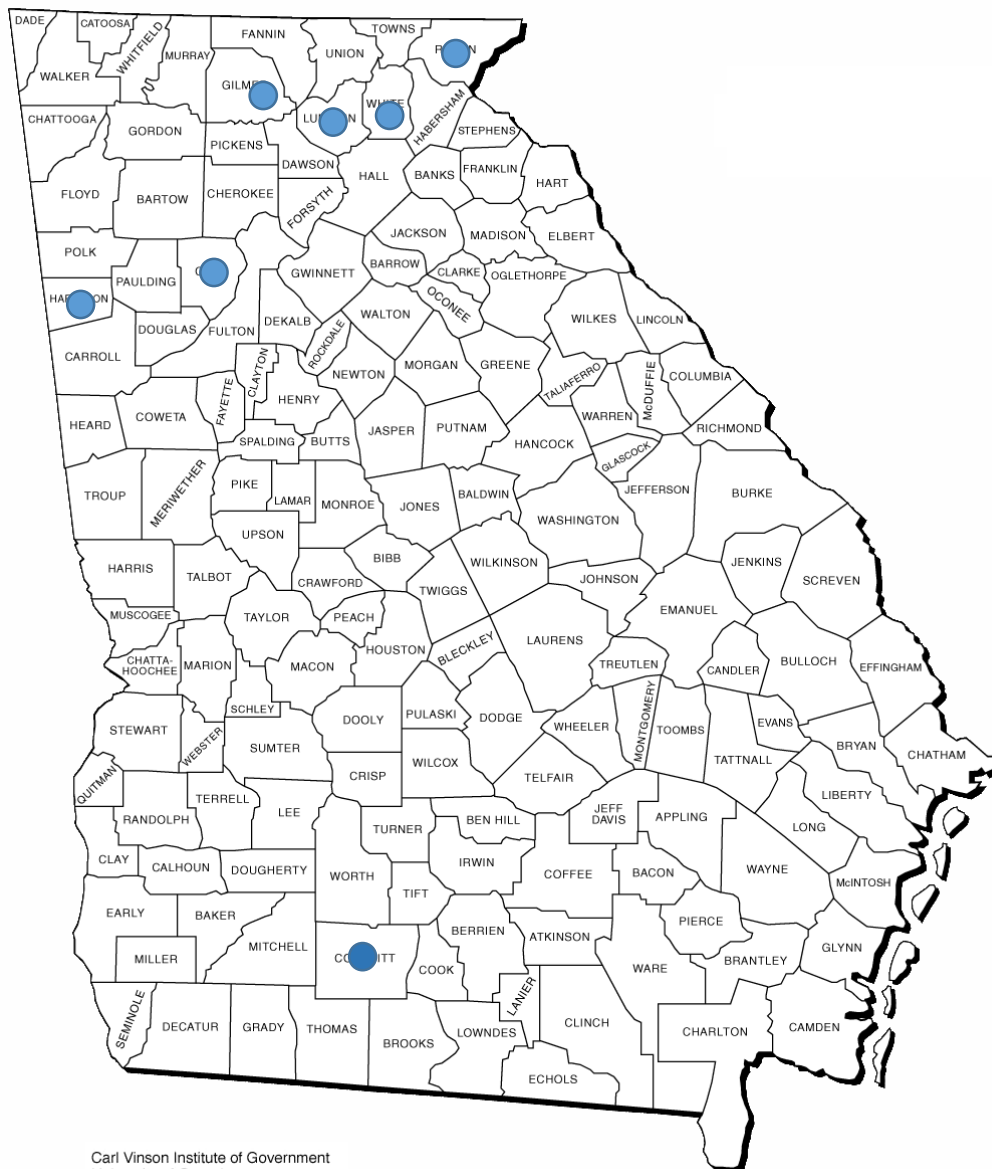
Group 11
Ex. Abound,
Pristine

CAA

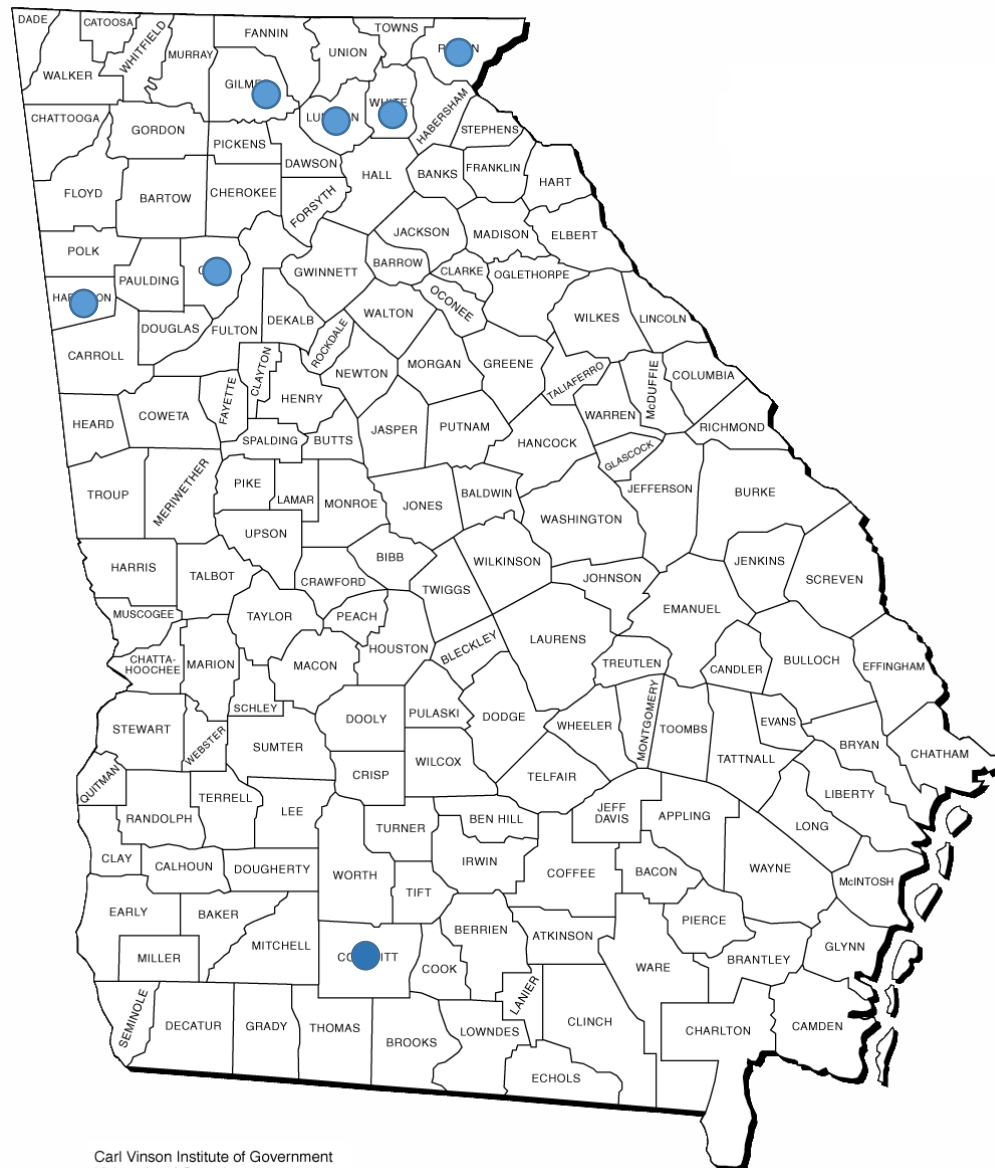
Group 40

Ex. Revus

● Resistant
● Sensitive



● Resistant
● Sensitive



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PA

Group 4

Ex. Ridomil

Fungicides for Downy Mildew Management	FRAC Code	Efficacy
Ametocradin + dimethomorph (Zampro)	40 + 45	+++++ Systemic
Azoxystrobin (Abound)	11	??? Systemic (Resistance prevalent; always mix with mancozeb or Captan)
Boscalid + Pyraclostrobin (Pristine)	7 + 11	??? Systemic (Resistance prevalent; always mix with mancozeb or Captan)
Captan	M4	++++ Contact protectant; combine with Phosphonates
Cyazofamid (Ranman)	21	++++ Locally systemic; combine with Phosphonates
Famoxadone + Cymoxanil (Tanos)	11 + 27	++++ Use with Captan or mancozeb (required)
Mancozeb	M3	++++ Contact protectant
Mandipropamid (Revus)	40	+++++ Translaminar protectant
Mandipropamid + Difenconazole (Revus Top)	3 + 40	+++++ Translaminar protectant
Mefanoxam + Mancozeb (Ridomil Gold MZ)	4 + M3	+++++ Systemic + contact protectant
Phosphonates (Prophyt, etc.)	33	++++ Systemic (combine with Captan)
Ziram	M3	++++ Contact protectant
Zoxamide + Mancozeb (Gavel)	22 + M3	++++ Contact protectant fungicides