Resistance of Botrytis Gray Mold Pathogen to Fungicides in the Santa Maria Region

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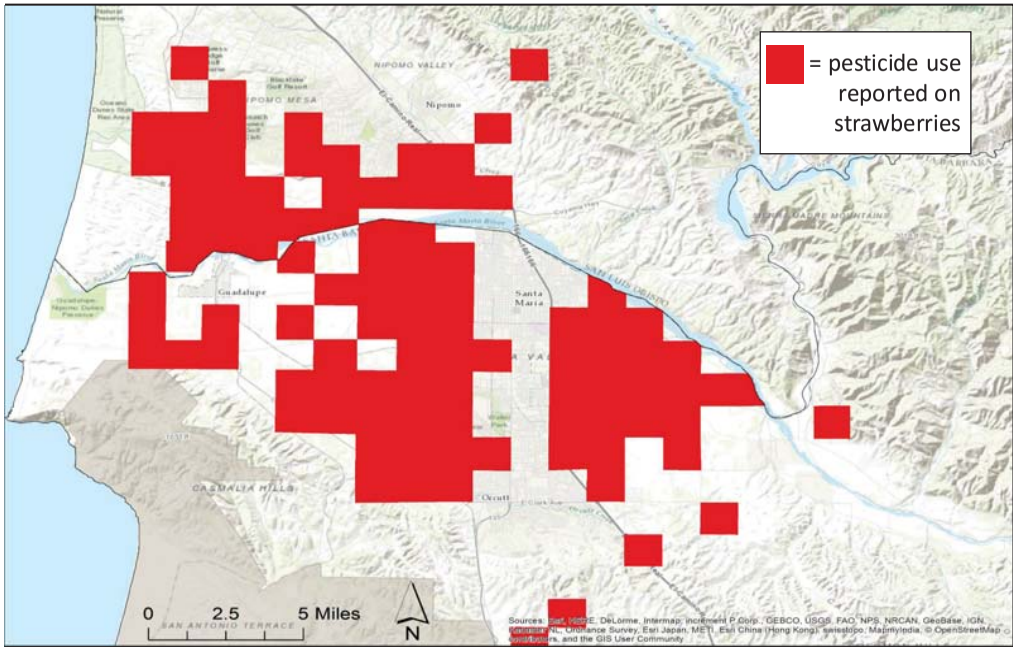
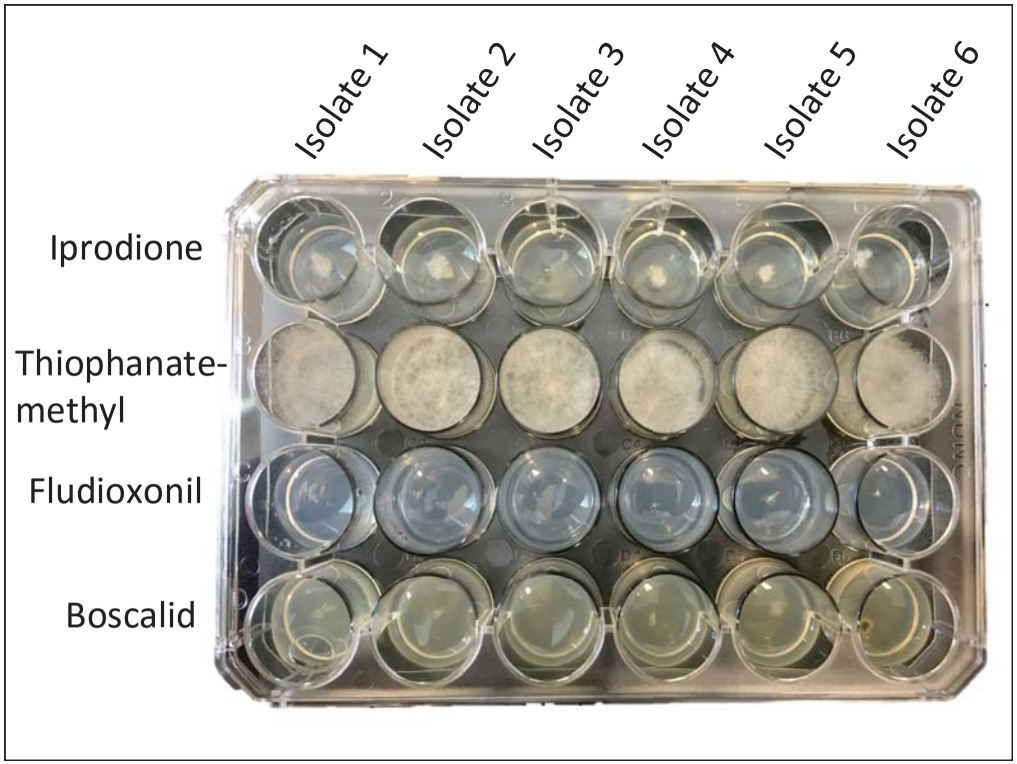
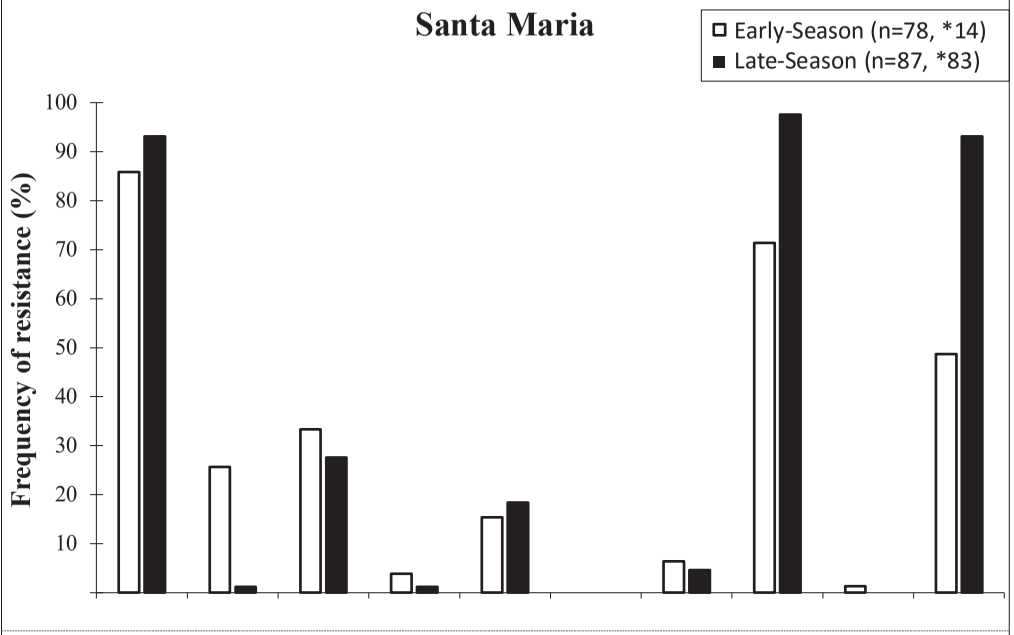
Table 1. All fungicides labeled for control of gray mold of strawberry in California. Shaded active ingredients and their corresponding FRAC codes were tested in this study.

Product registered for Botrytis in CA	Active ingredient(s)		FRAC code(s)	
Topsin	thiophanate-methyl		1	
Rovral	iprodione		2	
Fontelis	penthiopyrad		7	
Kenja 400	isofetamid		7	
Luna Sensation	fluopyram	trifloxystrobin	7	11
Luna Tranquility	fluopyram	pyrimethanil	7	9
Pristine	boscalid	pyraclostrobin	7	11
Merivon	fluxapyroxad	pyraclostrobin	7	11
Scala	pyrimethanil		9	
Switch	cyprodinil	fludioxonil	9	12
Elevate	fenhexamid		17	
PH-D	polyoxin-D		19	







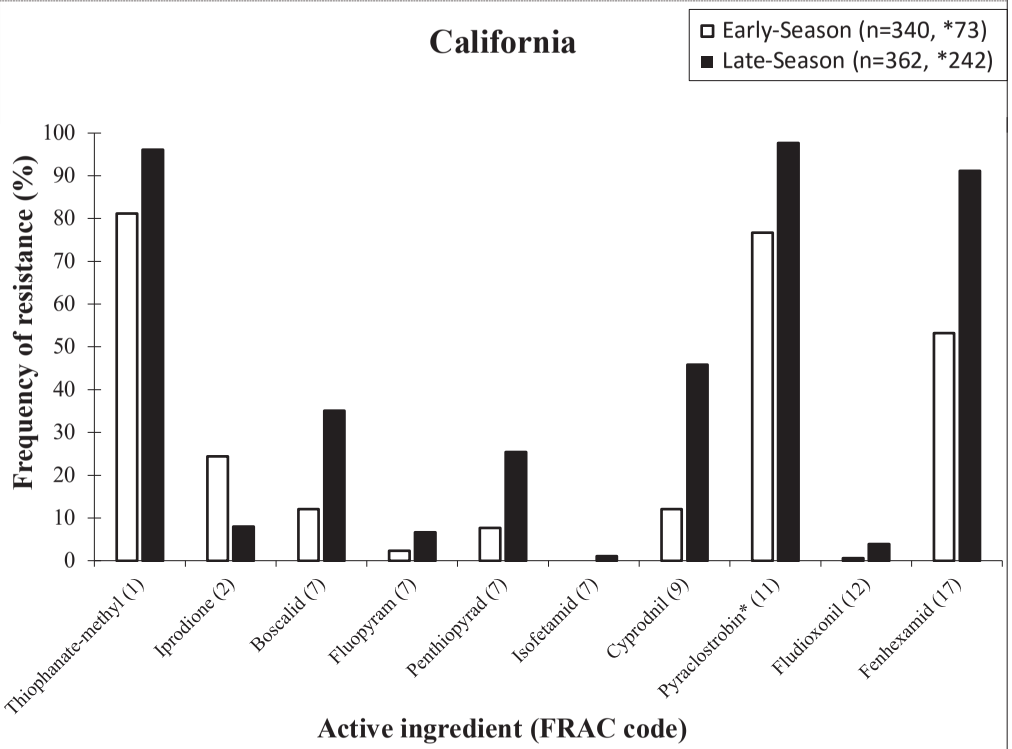


Figure 1. *Botrytis cinerea* isolates collected during the early-season and late-season of 2016. Isolates were tested for resistance to active ingredients contained in fungicides labeled for gray mold of strawberry.
*Less isolates were tested for resistance to pyraclostrobin

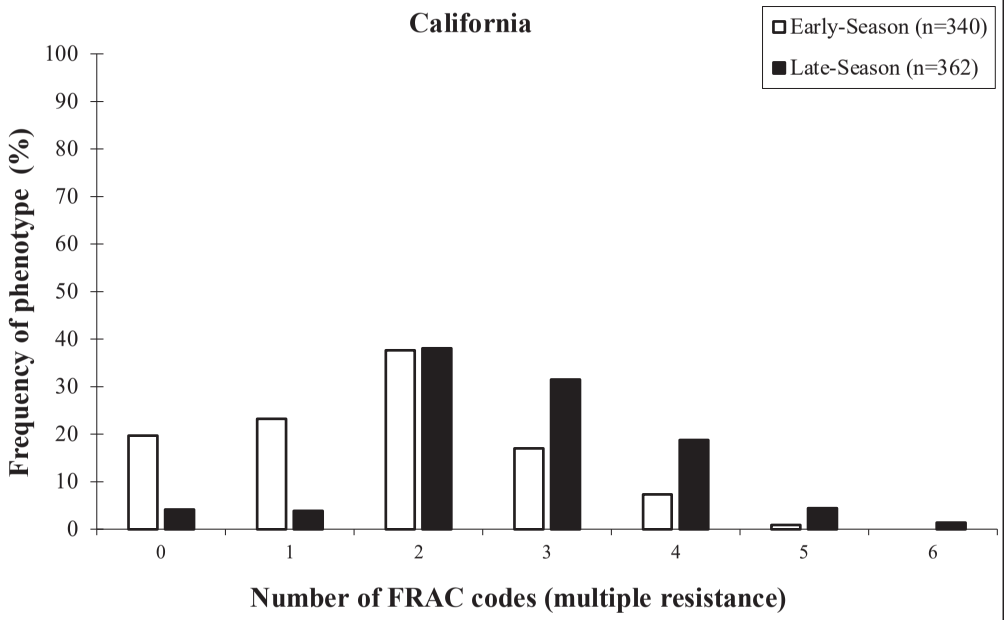


Figure 2. *Botrytis cinerea* isolates collected during the early-season and late-season of 2016. Isolates were tested for resistance to fungicides that represent 6 modes of action (FRAC codes). Pyraclostrobin (FRAC 11) was not included.

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