

AFTERNOON FROST FORECAST

FROST OUTLOOK FOR NAPA & SONOMA COUNTIES

PREPARED BY METEOROLOGIST ERIK MOLDSTAD

4:00 PM – May 10, 2010 from Precision Forecasting (800)-624-0499

Current Weather & Forecasts

Current Temperatures: Mid to upper 60's in the valleys and near 60 degrees on the ridges.

Current Dew points: Mid to upper 30's in the valleys and lower 30's on the ridges.

Free Air Freezing Level: 7,000 feet dropping to 6,000 feet overnight.

Forecast: Mostly cloudy skies this evening then clearing skies from the Northwest overnight.

Winds: Northwest to 10 mph this evening becoming light to calm in the valleys overnight.

Inversion: Weak becoming moderate late.

- Inversion categories defined -

Weak: <1 deg F at 30 feet. **Moderate:** 1 to 3 deg F at 30 feet **Strong:** >3 deg F at 30 feet.

FORECASTS BY MICRO-CLIMATES	Minimum Temps	Frost Duration
Most level & valley floor locations below 500 feet.	35 to 40 degrees	None
Frost pockets and narrow valleys below 1,000 feet.	32 to 35 degrees	Up to 1 hour
Hillsides, ridges & Sloped areas below 1,000 feet.	38 to 43 degrees	None
Open Areas and ridges in the foothills above 1,000 feet	35 to 40 degrees	None
Higher elevation valleys above 1,500 feet.	32 to 35 degrees	Up to 1 hour

SPECIFIC LOCATION TEMPERATURE FORECASTS

Location	This Morning	Tonight	Location	This Morning	Tonight
Hopland	49	35	Pope Valley	49	33
Cloverdale-Asti	45	42	Angwin (valley)	44	32
Geyserville-West	42	39	Angwin (ridge)	44	35
Alexander Valley	44	37	Stagecoach	44	36
Knights Valley	46	35	Sage Canyon	48	34
Dry Creek Valley	43	40	Calistoga-North	48	34
Healdsburg	45	39	SE Calistoga	49	36
South-Windsor	45	39	St. Helena	49	36
North-Graton	43	34	Rutherford-East	49	37
Sebastopol	45	36	Oakville-West	49	36
Petaluma	50	39	Yountville	48	35
Kenwood	46	36	Oak Knoll	45	37
Glen Ellen	48	35	East Napa	46	34
Sonoma-West	49	37	Carneros	49	36