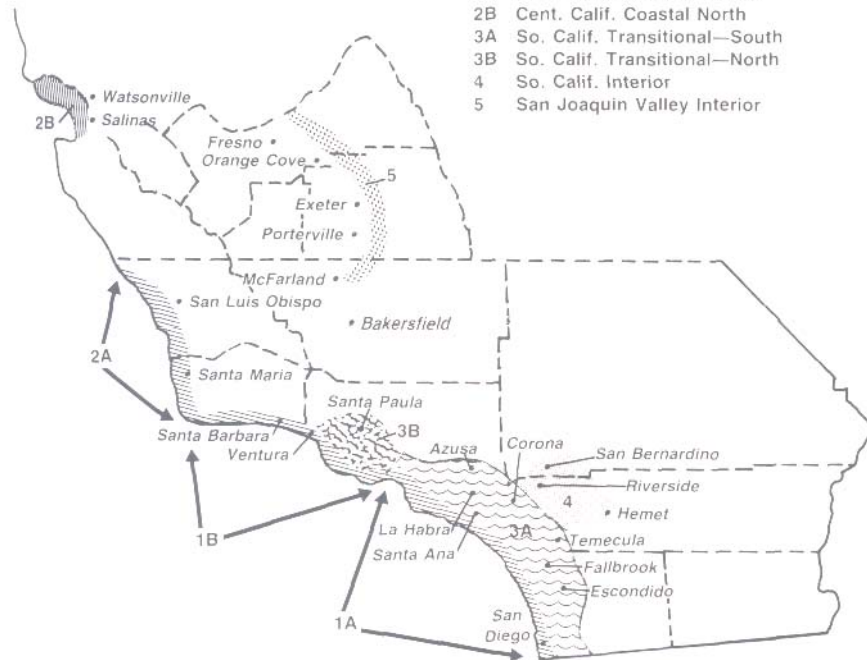


Avocado Varieties for Commercial Planting in California 1988

Prepared by: The Variety Subcommittee, California Avocado Society Reviewed by:
University of California, California Avocado Society

CLIMATIC ZONES

- 1A So. Calif. Coastal—South
- 1B So. Calif. Coastal—North
- 2A Cent. Calif. Coastal—South
- 2B Cent. Calif. Coastal North
- 3A So. Calif. Transitional—South
- 3B So. Calif. Transitional—North
- 4 So. Calif. Interior
- 5 San Joaquin Valley Interior



NOTE: Zones shown are general and may be interspersed with areas of a different climate than indicated.

AVOCADO VARIETIES FOR COMMERCIAL PLANTING IN CALIFORNIA ^a

	FRUIT CHARACTERISTICS						
	PEEL COLOR (RIPE)	PEEL TEXTURE	PEEL THICKNESS	PEEL EASE	RELATIVE SEED SIZE	RANGE IN FRUIT SIZE(OZ)	FRUIT SHAPE
Recommended Varieties							
HASS	BLACK	ROUGH	MED THICK	VERY GOOD	SM-MED	5-12	OVATE
Varieties in Commercial Production but <u>NOT</u> Recommended ^b							
BACON	DK GRN	SMOOTH	MED THIN	FAIR-GOOD	MED-LG	6-12	OVATE
FUERTE	GREEN	SMOOTH	MEDIUM	GOOD-EXC.	MEDIUM	6-14	PEAR
REED	GREEN	SEMI-ROUGH	THICK	GOOD	MEDIUM	8-18	SPHERIODAL
ZUTANO	YLW/GR	SMOOTH	THIN	FAIR	LARGE	6-12	PEAR
Varieties for Testing ^c							
GWEN	GREEN	ROUGH	MED THICK	VERY GOOD	SM-MED	7-12	THICK-OVATE
PINKERTON	DK GRN	SEMI-ROUGH	MED THICK	EXCELLENT	SMALL	8-18	LONG PEAR
WHITSELL	DK GRN	ROUGH	THICK	GOOD	SMALL	7-16	SHORT PEAR

a: General characteristics may vary according to climatic zones for all varieties.

b: Other minor varieties including Anaheim, Covacado, Jim, McArthur, Rincon, Santana, Susan are also not recommended.

c: These varieties are considered to show promise, but have had limited commercial testing. Data presented is only **tentative**.

AVOCADO VARIETIES FOR COMMERCIAL PLANTING IN CALIFORNIA ^a

	PARENTAGE	PRODUCTION CHARACTERISTICS									SEASON
		YRS TO 1 st COM-MERCIAL HARVEST		YIELD POTENTIAL	TREE SHAPE ^d	CANOPY SIZE	ALTERNATE BEARING TENDENCY	FLOWER TYPE ^e	WIND TOLER-ANCE	VEGETA-TIVE FROST TOLER-ANCE	
		TOP WORKED	NEW PLANTINGS								
Recommended Varieties											
HASS	Mostly Guat	3	4	High	S	Med-Large	Mod-Sev	A	Low	Low	
Varieties in Commercial Production but NOT Recommended ^b											
BACON	Mostly Mex	3	4	Medium	U	Small	Slight	B	Moderate	High	
FUERTE	Guat & Mex	3	4	Low	S	Large	Irregular	B	High	Moderate	
REED	Guatamalan	3	4	High	U	Medium	Moderate	A	Very Low	Low	
ZUTANO	Mostly Mex	3	4	High	U	Medium	Slight	B	Moderate	Moderate	
Varieties for Testing ^c											
CWFN	Mostly Guat	2	3	Very High	U ^f	Small	Moderate	A	Moderate	Low	
PINKERTON	Mostly Guat	3	4	High	S	Medium	Moderate	A	High	Low	
WHITSELL	Mostly Guat	2	3	Very High	I	Small-Med	Severe	B	High	Very Low	

a: General characteristics may vary according to climatic zones for all varieties.

b: Other minor varieties including Anaheim, Covacado, Jim, McArthur, Rincon, Santana, Susan are also not recommended.

c: These varieties are considered to show promise, but have had limited commercial testing. Data presented is only tentative.

d: S=Spreading; U=Upright; I=Irregular. Topworked trees may exhibit more upright tree shape.

e: Yields may be enhanced by cross pollination with opposite flower type which blooms at the same time.

f: Topworked trees tend to be more upright.

AVOCADO VARIETIES FOR COMMERCIAL PLANTING IN CALIFORNIA ^a

	MARKETING CHARACTERISTICS			
	STORAGE & SHELF LIFE	SHIPPING QUALITY	RESPONSE TO ETHYLENE CONDITIONING	RELATIVE PRICE (% RETURN TO GROWER) ^d
Recommended Varieties				
HASS	GOOD-EXCELLENT	EXCELLENT	EXCELLENT	\$0.30 (100%)
Varieties in Commercial Production but <u>NOT</u> Recommended^b				
BACON	POOR	FAIR	POOR	\$0.14 (47%)
FUERTE	GOOD	POOR-FAIR	POOR	\$0.19 (63%)
REED	FAIR	FAIR	POOR	\$0.14 (47%)
ZUTANO	POOR	POOR-FAIR	POOR	\$0.14 (47%)
Varieties for Testing^c				
GWEN	NE ^e	NE	NE	NE
PINKERTON	GOOD-VERY GOOD	GOOD	EXCELLENT ^f	NE
WHITSELL	NE	NE	NE	NE

- a: General characteristics may vary according to climatic zones for all varieties.
- b: Other minor varieties including Anaheim, Covacado, Jim, McArthur, Rincon, Santana, Susan are also not recommended.
- c: These varieties are considered to show promise, but have had limited commercial testing. Data presented is only **tentative**.
- d: Source: California Avocado Commission. Assessment Report. Figures for Hass and Fuerte are actual return from 11/80-12/87. Figures for Bacon, Reed and Zutano based on "Others" classification which includes all miscellaneous varieties from 11/80-12/87.
- e: NE = Not Established.
- f: Early season Pinkerton require ethylene conditioning for satisfactory ripening.

AVERAGE BLOOM AND HARVEST SEASON

ZUTANO

ZONE	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan		
So. CA Coast-South																													
So. CA Coast-North																													
Cent. CA Coast-South				+++++	+++++	+++++	+++++										xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx
Cent. CA Coast-North				+++++	+++++	+++++	+++++																						
So. CA Trans.-South				+++++	+++++	+++++	+++++										xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx
So. CA Trans.-North				+++++	+++++	+++++	+++++																						
So. CA Interior				+++++	+++++	+++++	+++++																						
San Joaquin Valley				+++++	+++++	+++++	+++++																						

*GWEN

ZONE	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan		
So. CA Coast-South				+++++	+++++	+++++	+++++																						
So. CA Coast-North				+++++	+++++	+++++	+++++																						
Cent. CA Coast-South				+++++	+++++	+++++	+++++																						
Cent. CA Coast-North				+++++	+++++	+++++	+++++																						
So. CA Trans.-South				+++++	+++++	+++++	+++++																						
So. CA Trans.-North				+++++	+++++	+++++	+++++																						
So. CA Interior																													
San Joaquin Valley																													

*Tentative

AVERAGE BLOOM AND HARVEST SEASON

PINKERTON

ZONE	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	
So. CA Coast-South																												
So. CA Coast-North																												
Cent. CA Coast-South				+++++																								
Cent. CA Coast-North																												
So. CA Trans.-South				+++++																								
So. CA Trans.-North				+++++																								
So. CA Interior																												
San Joaquin Valley																												

*WHITSELL

ZONE	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	
So. CA Coast-South																												
So. CA Coast-North																												
Cent. CA Coast-South				+++++																								
Cent. CA Coast-North																												
So. CA Trans.-South																												
So. CA Trans.-North				+++++																								
So. CA Interior																												
San Joaquin Valley																												

*Tentative

AVERAGE STATEWIDE BLOOM AND HARVEST SEASON ^a

VARIETY	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	J	A	S	O	N	D	J	
HASS																							
BACON																							
FUERTE																							
REED																							
ZUTANO																							
GWEN ^b																							
PINKERTON																							
WHITSELL ^b																							

^a + = Approximate Bloom Period may seasonally vary; x = Approximate Harvest Period may seasonally vary.

^b Tentative

Note: Absence of a harvest season indication in chart denotes variety not suited for zone or information not available.