

California, a GRAPE State!

Grapes are a Top-Ten commodity in California, bringing in \$5.6 billion dollars per year. Grapes have been an important part of agriculture for more than 300 years. Grapes are not only consumed as fresh table grapes, but also as raisins, and in wine. Read on to learn about how GREAT GRAPES are!

Career Spotlight
CAREER: Ranch Foreman
 Luis Navarro, Ranch Foreman,
 Wilson Farms, Clarksburg, CA



What is your training for the job? I've had over 30 years of on-the-job training.

What do you do in your job? I started working for Wilson Farms as an irrigator and quickly moved on to operating equipment. Eventually, I was put in charge of operating and organizing all of the labor for **irrigation**. I've operated everything from ground preparation equipment to planting and harvesting equipment. I've also run the service truck that fuels equipment, and I have done routine maintenance on all the equipment on the ranch.

Anything else you'd like to add? Over the years, I've been directly involved in every operation on the ranch from ground preparation, to irrigation, to the harvest of every crop. I currently organize all of the labor operations on the ranch. I direct and move people when and where they need to be through the day.

Wilson Farms' owners say, "When the ranch needs something to get done, Luis makes it happen."



STEM Activity

Grape Structures

Be an engineer using only grapes and toothpicks. Alone or in groups, create the tallest structure you can. Talk about which structures are strongest and tallest. What made them work so well? Try a new design with what you learned! Then, eat your creation!

Recipe

Try this Great Grape Smoothie!

- 1 cup seedless grapes
 - 1/2 cup frozen strawberries and cherries
 - 1/2 orange, peeled and sliced
 - 1/2 banana, peeled and sliced
- Combine all ingredients in a blender. Pour into glasses. Enjoy!

Why are grapes never lonely? Because they come in bunches!



I	E	I	R	I	G	A	T	I	O	N	R	I	R
S	O	Y	U	T	X	W	Y	Q	X	Y	O	U	Y
V	M	D	Y	H	N	C	Q	H	E	E	L	B	A
N	C	Q	Q	Y	S	A	B	G	Y	Z	Z	W	P
Y	S	A	M	N	L	D	I	R	O	X	W	A	U
U	S	D	X	X	I	I	N	I	D	N	W	S	L
I	E	Y	T	Z	S	F	H	X	X	Q	Y	W	M
E	L	T	K	N	I	O	Z	N	Q	O	M	B	U
A	D	I	D	P	A	R	N	C	R	X	I	S	T
I	E	D	P	Z	R	N	I	B	M	F	P	T	S
U	E	O	V	I	U	I	H	O	K	D	Q	M	N
Y	S	M	P	L	X	A	F	F	Q	U	Z	Y	X
R	D	M	A	V	I	N	E	Y	A	R	D	P	I
Z	E	O	G	P	H	A	R	V	E	S	T	U	R
M	G	C	T	Z	C	S	A	S	G	R	A	P	E

Activity Word Search

VINEYARD
 IRRIGATION
 GRAPES
 SEEDLESS
 COMMODITY
 RAISINS
 ANTIOXIDANT
 CLUSTER
 HARVEST
 TABLE
 CALIFORNIA

RED OR GREEN

Take a classroom opinion survey of which are considered the best; red grapes or green grapes. Compare your chart with other classmates. Create a bar graph showing your results.

Grape	Tallies
Red	
Green	

CA Standards: Math CCSS: 3.OA.3, MD.3.4, 4.OA.5, NBT.5, NGSS: 3-5-ETS1-1, 2, 3, MS-ETS1-A, B, C
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