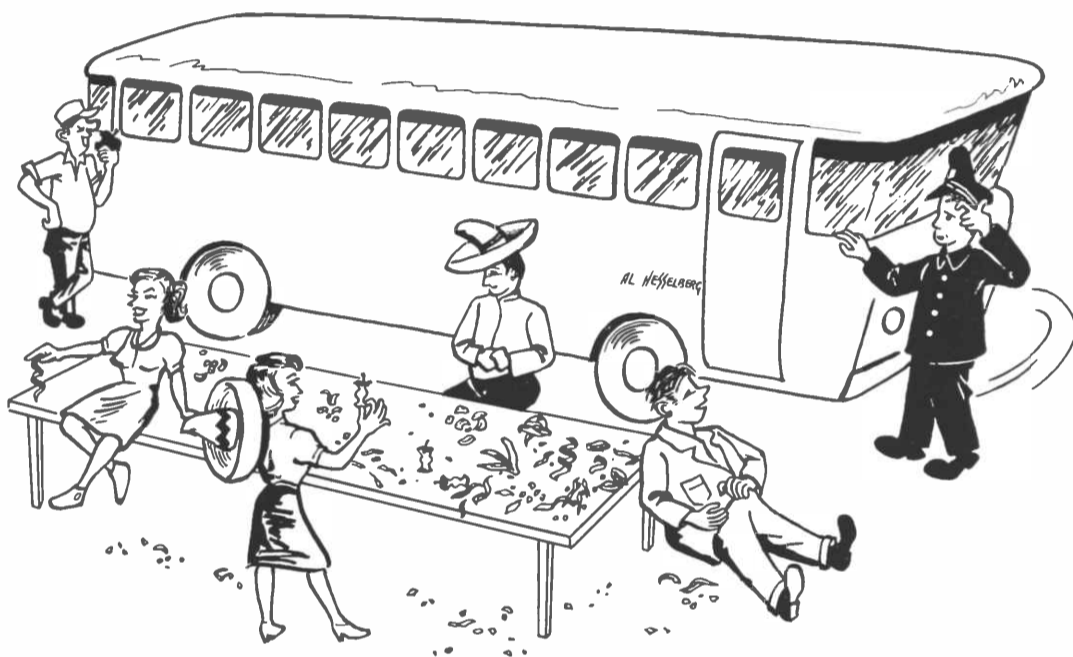


Border Bug Battle

Few Land-Grant colleges of agriculture are as near the border of a foreign country as is this college, at The University of Arizona. Likewise, probably all readers of **PROGRESSIVE AGRICULTURE IN ARIZONA** have been stopped at the Nogales border and asked "Bringing any fruits or vegetables?"

But of the thousands who are stopped daily, few realize the importance of that question, or the hazard to our agriculture, our livelihood and food supply, in the possible invasion of insects and diseases from which our crops, trees, soil, and ornamental plants and flowers are now protected. The USDA Plant Quarantine inspectors are doing an important job and deserve the good will and support of all of us.



At a California port of entry there were 80 persons on the bus which had come all the way from El Salvador. Plant quarantine inspectors confiscated fruit from persons, bus seats and handbags, putting it all outside on one side of the bus, while they searched the other side.

"When we returned," said an in-

spector, "all the fruit had been eaten, and we found only scattered peelings, cores, etc. So, in the interest of international good will, and since the disposal job would seem to have eliminated any chance of pest dispersal, we accepted it all in good graces and bid the travelers to be on their way."

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manure crop when compared with a heavy application of feedlot manure or the continued use of organic fertilizer is shown in this table. Cost conscious growers might reduce these figures to dollar and cents values and thus be able to compare costs with benefits. This would represent the usual terms of evaluation in determining the value of such crops.

Yet, this is not all of the benefits received. To these should be added improvement in soil tilth, influence on water efficiency, ease in tillage, disease and insect con-

California Leader In Tuber Production

What state receives the largest income in the nation from potato production? Maybe you'll be surprised, as we were, to learn it is California. In California the 1965 income from those edible tubers was \$126,964,000. Only other state anywhere in that range was Idaho with \$102,737,000.

From there the descending scale includes, in third place, that old standby, Maine, with \$49 million, and another old timer, New York state, with \$46 million. Wisconsin follows with \$30½ million, and then a winter potato state, Florida, comes along with \$28½ million.

In the \$20 million area is a group of important "potato" states, including Colorado, Pennsylvania, Minnesota, Michigan, North Dakota, Washington and Oregon. In the group which counts on potatoes for approximately \$14 million each per year are some of the winter producing areas — Virginia, North Carolina, Alabama and Texas.

Arizona, which in 1965 realized \$9,656,000 from potatoes, is considered an important producing area, ahead of 29 other states in the continental United States.

These figures, and many more dealing with area, season of production, markets, variety, total yields, cultural practices, yield per acre, portion of the crop used in various ways, research information available, legislation and grading, and many other topics, are found in the "American Potato Yearbook," published annually at Westfield, N.J.

Los coccidiostatos quimicos han hecho posible el uso de mantecas animales y grasas en las raciones. Las mantecas son ricas en energía y, cuando se usan correctamente, mejoran la eficacia del alimento. Los antioxidantes tienden a estabilizar ciertas vitaminas, particularmente las vitaminas A y E.

trol, and similar changes associated with this kind of program, if the total value is to be determined, understood, and applied.

Table 1. Effects of Guar and Steer Manure on Production of Head Lettuce.

Treatment	Harvests		
	1st 2-dozen size	2nd size—	Total cartons/acre
Guar*	83.0	364.0	447.0
Steer manure (20 tons/acre)	192.0	348.0	540.0
Check	32.0	212.0	244.0

*Equivalent to approximately 20 tons material on a fresh weight basis.