

The Big Fig Problem Solution

The first question is looking for the total number of figs produced per year. The first thing needed is to know how many pounds produced per year. Some figs are picked up and some are not so there are two numbers that have to be found first. The number of pounds picked up and the number of pounds not picked up. There are 2000 pounds per ton so if 1.5 tons are picked up per crop and there are 2 crops per year then there are 3 tons or 6000 pounds picked up per year. The number of pound not picked up can be found by taking 10% of 6000, the number of pounds picked up per year, or 6000 multiplied by .10. This gives 600 pounds of figs not picked up per year. Total number of pounds produced per year then would be 6600, 6000 plus 600. Since there are 16 oz per pound there is 105,600 oz of figs produced per year. If each fig weighs 2 oz then there are a total of 52,800 figs produced per year by the Florida State Champion Mysore Fig Tree.

The second question is easy but can be tricky. Using the work from above there was found to be 6000 pounds of figs picked up per year. Again if there is 16 oz per pound then there are a total of 96,000 oz of figs and if each fig weighs 2 oz then there are 48,000 figs picked up and if 3% can be used for jelly take 48,000 multiplied by .03 to get 1,440 figs used for jelly each year.