

## EFFICIENCY IN TEMPRATE FRUIT ORCHARDS

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Total area under pome and stone fruits in Iran is 318632 hectar with 3401916 Tons of products in 1999.

Because of importance of temprate fruit culture in our national economy the efficincy of a mechanised garden was evaluated during 14 years (1985-1999) to find more knowledges for people who want to invest in this secton.

A 7 year old garden (27 Ha) in a ligh soil area which standd 40 klm far west of Mashhad sellected on 1985. Trees were, Red & Golden delicious Apples, pears , ploms, peaches and Quince. Trees irrigated 6 month every 9 days from first May up to first Nov. Manure applied every other year and N fertilizer as 25 gr , p and K 12.5 gr for each year of age of trees applied in every year in Feb.

Garden was directed by an horticultural expert during 14 years.

expenses and Incomes calculated at the end of every year to find The efficiency of investment.

By compairing different items of expenses following ratioes was obtained as an avrage of 14 years.

Wages supply	Pesticides Tractor	Nutrition Manager	W a t e r e t c			
%32.2	%18.3	%9	%7.8		%7.6	%10
	%15					

this garden in 2 of the years (89 & 99) produced only 9 ton/ha Because of spring frost damage. but 22 tons/ha in 8 and 30 tons/ha in 4 of the years. Every year crops was sold early in July and the average of efficincy of 14 years