



**Modern Bee Farmers**

PROMOTING MODERN BEE  
APICULTURE IN KENYA

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**APICULTURE TRAINING, BEE KEEPING EQUIPMENT & NATURAL HONEY**

**Apiary cost projections**

**1. Individual Farmer with 10 hive and full harvesting/processing equipment**

Qty	Item	Cost	Total
10 pc	Langstroth 10 Frame Hive	Ksh 4,500	Ksh 45,000
1pc	Harvesting equipment Beesuit with leather gloves, Bee Smoker, Hivetool, Decapping Fork, Bee Brush	Ksh 3,850  Ksh 2,250 Ksh 550 Ksh 350 Ksh 300	Ksh 7,300
1pc	Processing Equipment & Storage 3 Frame Centrifuge honey extractor Double Stainless Steel Sieve 35L Honey Settling Tank	Ksh 32,500  Ksh 2,250 Ksh 14,500	Ksh 49,250
10pc	Apiary Construction (Hive Stands)	Ksh 1,750	Ksh 17,500
			Ksh 119,050

Expected honey yield (harvesting seasons)

No of harvests per year = 3 times

Yield per hive each harvest =10 Kg

Honey yield annually =10 kg \* 3 times for each harvest season

Honey yield for 10beehives= 10\*3\*10

**300kg** is expected honey from 10 beehives for a whole year

Revenue = 300 Kg @ 700/= per Kg = Kshs 210,000/=

**Projected Profits for the first year = Sales Generated from Honey Sale - Beekeeping Costs  
= Ksh 210,000 - Ksh 119,050 = Ksh 90,950**

**Note.**

- Indicated honey selling price is KSH 700 however, retail price ranges between KSH 700-1000
- Gumboots are not included in the harvesting equipment on assumption that generally farmers always have a pair on hand
- Transportation costs are not included

## Honey & BeesWax Projection

**Expected honey (harvesting seasons)**

**No of harvests per year = 3 -4 times**

**Yield per hive each harvest =10 Kg**

Yield in single harvest = 10hives \* 10Kgs per hive  
=100Kgs

Harvesting is done on average 3 -4 times per year  
Therefore, annual yield =300kgs

	<b>Honey Yield</b> P.a 80% of total yield (300kgs)	<b>Bees Wax Yield</b> P.a 20% of total yield (300Kgs)
Refined Honey Vs Bees Wax (KGs)	240kgs	60kgs
Revenue (Ksh)	Ksh 700 per kg	Ksh 400 per kg
	Ksh 168,000	Ksh 24,000

### Note

- Honey Press machine required instead of centrifuge machine
- Solar wax melter will be an additional expense @ksh 44,500
- Indicated honey selling price is KSH 700 however, retail price ranges between KSH 700-1000
- Indicated Bees wax selling price is KSH 400 however, retail price ranges between KSH 400-900