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कृषि के लिए तकनिकी पहल

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# 7,562 cases of crop-raiding by wild animals reported in last three years across Tamil Nadu

*As per the data pertaining to 10 states released by the Union Minister, Tamil Nadu comes second only to Andhra Pradesh in the number of incidents relating to human-animal conflict.*

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MADURAI

# Wild animals damage crops

Special Correspondent

SRIVILLIPUTTUR DECEMBER 26, 2020 20:04 IST
UPDATED: DECEMBER 26, 2020 20:04 IST

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# Challenges:

- As per the reports published by the government organisations the percentage of damaged are increasing gradually every year.
- As of the now there are more than **20%** crops were damaged due to the stray animals and birds .
- According to THE NEW INDIAN EXPRESS more that **7500** cases were registered in Tamil Nadu in last three years.
- According to the government survey crop damage by wild animals declined by 33% which is almost around **1,65,000 tonnes** as of the 2020 survey report.
- And so to protect their handwork the farmers started to harm and even something kill the stray animals.

# Why choose हल over our traditional methods ?

There are many methods to kept the animals out of the field.
Some of the famous methods are given as below:

(1)Using Fencing

(2) Using Repellents and many more

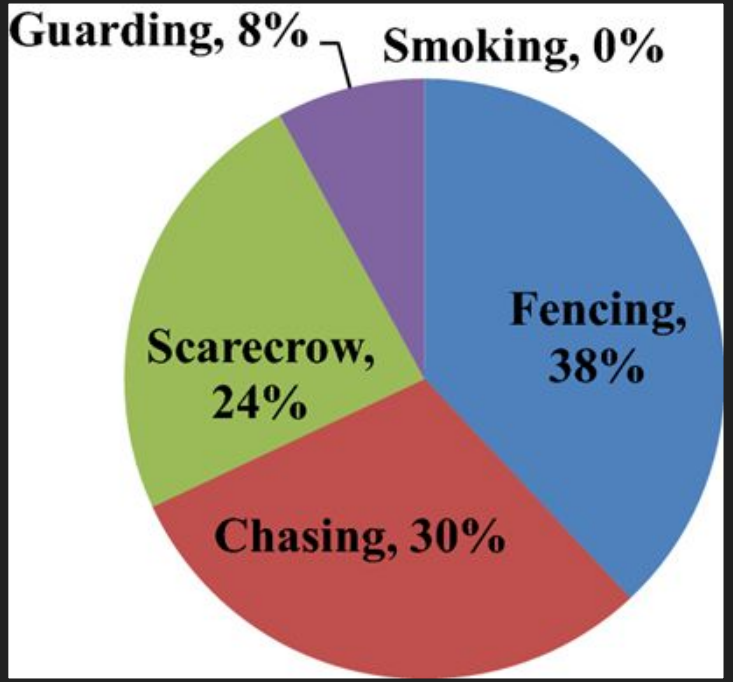
The costing of both these methods are very high.

For example the cost for fencing a one acres of

farm is around **50000/-** rupees

(As the cost of one pole is around 500/- and cost of wire is around 6000/- per 100meter)

where as the cost of our project is around **20,000/-rupees.**



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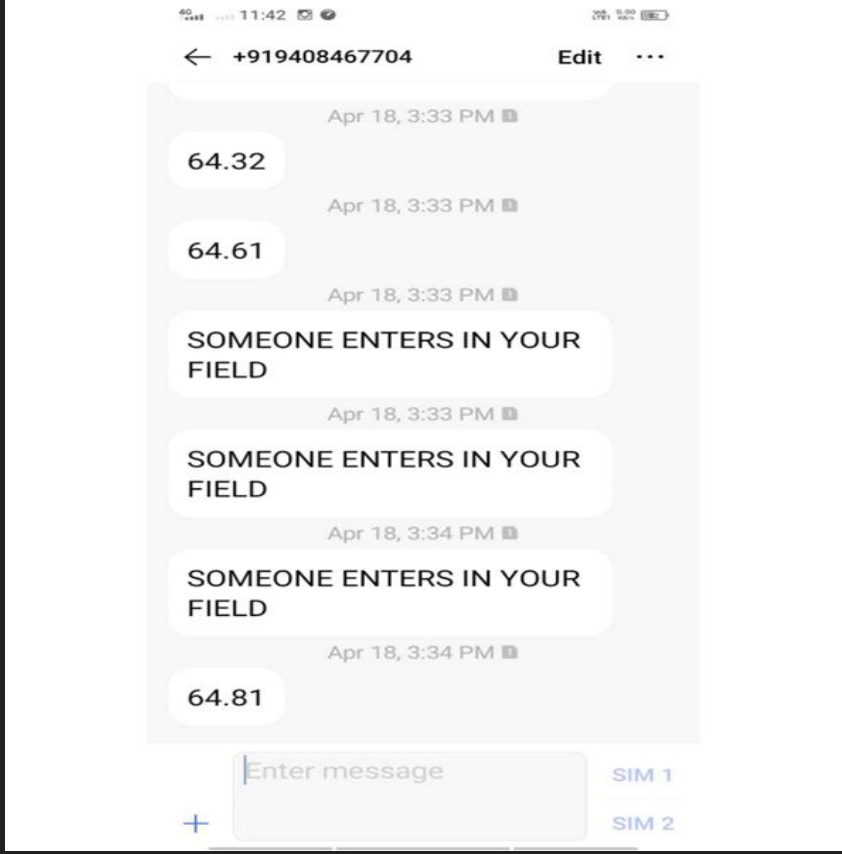
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barbed wire fence cost per acre India
Barbed wire fence dimensions of 1 acre farm in 3 : 2 ratio

Barbed wire fencing materials required
Barbed wire concrete, iron poles.

**Calculating fencing cost per acre**
1 acre are = 4046.724 sq. meters
Length = x and width = x
X2 = 4046.724 m2
X = 63.61 m
Perimeter of the farm = 2 x (X+X) = 4x
4 x (63.61) = 254.44 m

**Cost of wire**
For 4 strands, length of wire = 255.44 x 4 = 1017.76 m
Cost of wire @ Rs 6000 per bundle of 365 m = 1017.76/365 x 6000 = **Rs 16,730.30**

**Number of angle iron poles**
2 poles distance 5m

Number of poles = Perimeter of farm/distance between 2 poles + 4 poles at corners = 254/5 + 4 = 55 Poles
Cost of 55 poles
Price of 1 pole = Rs 500 each
**Cost of 55 poles** = Rs 500 x 55 poles = **Rs 27,500**

**Cost of digging pits** for for pole fixing
Pit size = 0.3 x 0.3 x 0.45 m = 0.04 m3
Pits number = 55 poles x .04 m3 = 2.2 m3
Pit digging cost = Rs 750 per m3
Pit cost = Rs 2.2 x 750 = **Rs 1650**

**Cost of concrete and lime**
If 1 m3 concrete and lime cost = Rs 1250
Cost of concrete and lime for 2.2 m3 pits = 2.2 x 1250 = **Rs 2750**

**Labour charges filling lime and concrete**
Labour required for filling lime and concrete
Labour cost = Rs 550 per m
Labour cost = 2.2 x 550 = **Rs 1210**

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**Labour charges for fixing and stretching wire**
4 labours for 2 days
Wages @ 700 per labour per day
Labour cost = 4 labour x Rs 700 x 2 days = **Rs 5600**

**Cost of iron gates**
Rs 15000 each gate

**Total Fencing Cost Per Acre** = Rs 70,440.3

**Total cost summary**
Barbed wires (Rs 16,730.30) + 55 Iron poles (Rs 27,500) + Digging pits (Rs 1650) + Concrete and lime ( Rs 2750) + Filling concrete & lime (Rs 1210) + Labour for stretching & fixing (Rs 5600) +Iron gates (Rs 15000) = **Rs 70,440.3**

**Note –** This is the assumption of fencing cost per acre. Prices may vary according to the market, region and material demand.