

# **Present Status of Feed Crops in Sri Lanka**

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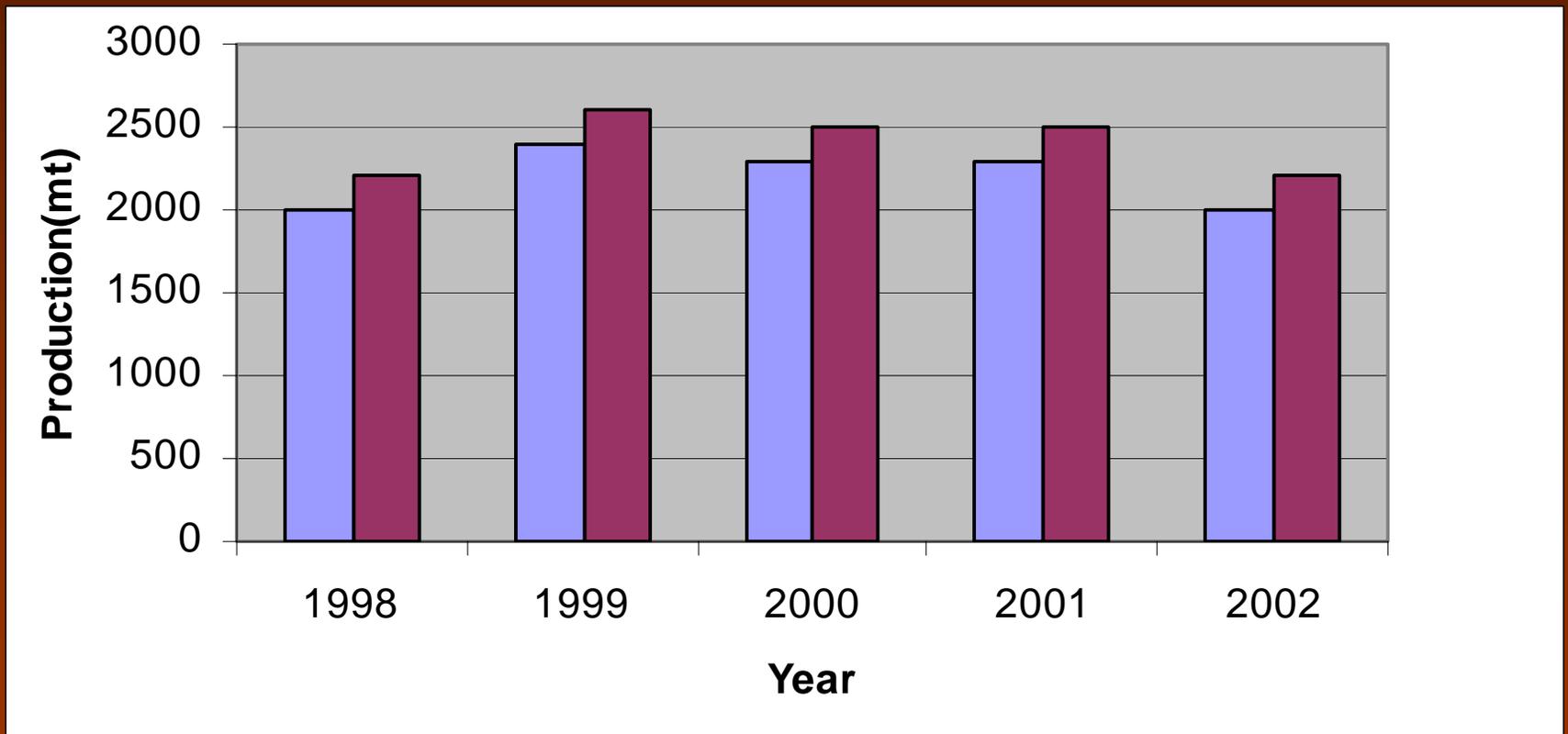
# Potential Field Crops...

- Grain Crops
  - Maize, Sorghum etc.
- Pulses
  - Soybean
- Root & Tuber Crops
  - Manioc
- Others

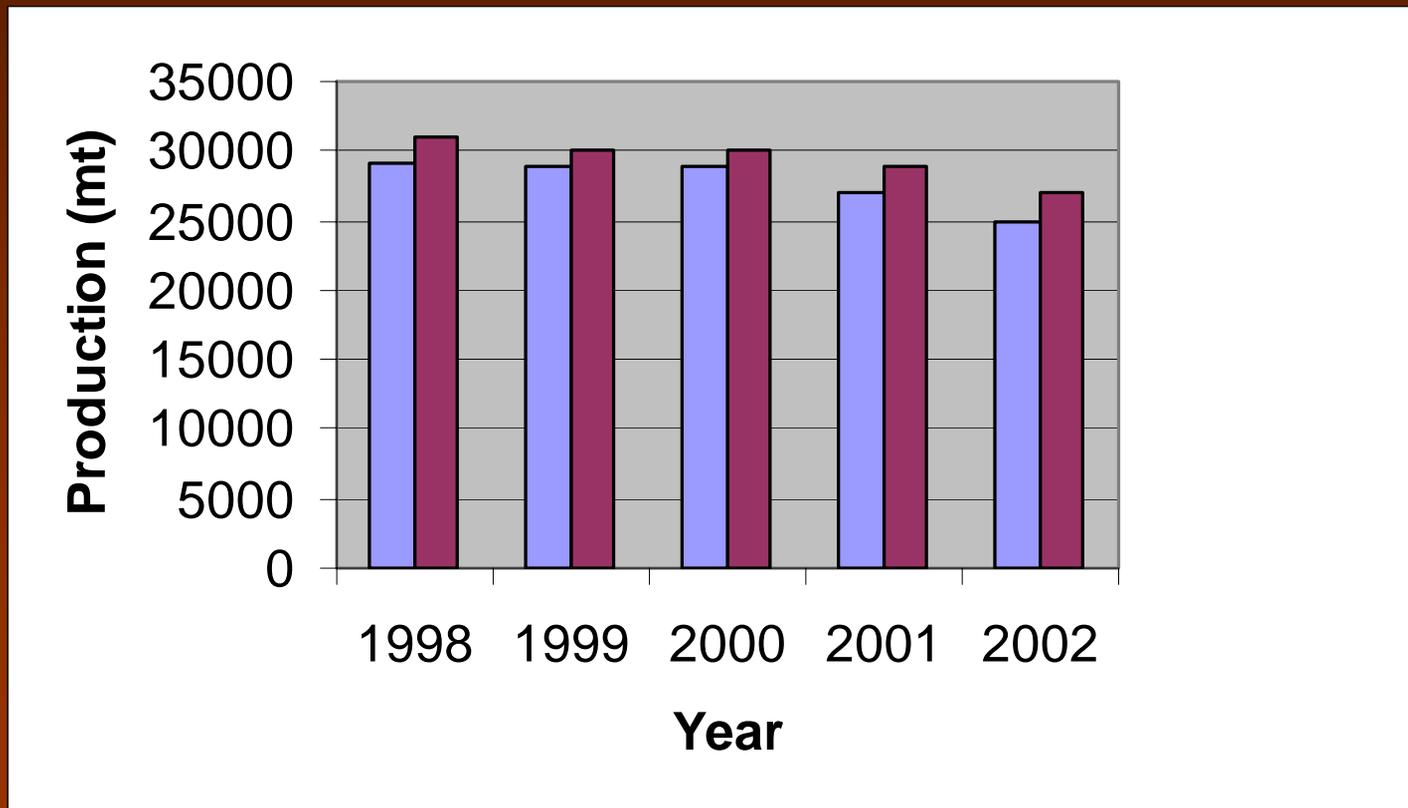
# Maize

- Present Production
  - Major season (*maha*)
  - Rainfed; highland 30% of OFC area
  - Mostly small farmers( 1 – 1.5 ha)
  - 30% - 40% green cobs
- Minor Season(*yala*)
  - Irrigated lowland
  - > 50% green cobs
- Throughout the year
  - Green cobs; all over the country

# Extents(ha) and Production(mt) of maize during minor season



# Extents Cultivated & Production Last Few Years – *Maha* Season



# Cost of Production - 2001/02

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	A'pura	Moneragala
Total cost (Rs/ac)	10155.96	7752.00
Average yield (kg/ac)	1173.00	1085.00
Unit cost (Rs/kg)	8.66	7.15
Selling price (Rs/kg)	14.27	12.30
Income (Rs/ac)	16738.00	13378.59
Profit (Rs/ac)	6582.70	5625.59

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# Imports of Maize

- Mainly for feed
- Feed – 80% of the requirement
- Mainly from China, USA, Indonesia and Argentina
- Few importers (1991 – 9)

Major importers 3

One importer > 65%

# Imports during last five years

Year	Amount (Mt)	Value Rs. Mil.	CIF Rs/kg
1998	106537	939	8.82
1999	125625	1115.25	8.88
2000	123112	1163.25	9.45
2001	157401	1796.1	11.41
2002	94596	1206.1	12.75

# Soybean

## Requirement

Thriposha – 3600 – 4000 Mt/yr

Other products – 2000 Mt/yr

Soymeal – 88510 Mt (2002)

# Animal feed industry in Sri Lanka

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## Per-capita availability of animal products (kg/yr)

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Meat	4.54
Eggs	2.63
Fish	11.73
Milk	15.34
Milk & milk products	31.74

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Source: Dept. of Census & Statistics(1999)

# Animal Feed Production in Sri Lanka (Mt/Yr)

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Poultry	350,000
Dairy	12,000
Pig	8,000
Other	5,000
Self mixing	80,000

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Source: Dept. of Census & Statistics(2000)

# Local and imported raw materials for animal feed production

<b>Raw material</b>	<b>Usage(mt)</b>	<b>Local Production(mt)</b>	<b>Imports(mt)</b>
<b>Maize</b>	<b>175,000</b>	<b>32,948</b>	<b>125,000</b>
<b>Soybean</b>	<b>75,000</b>	<b>728</b>	<b>75,000</b>
<b>Rice polish</b>	<b>100,000</b>	<b>412,000</b>	<b>nil</b>
<b>Coconut cake</b>	<b>15,000</b>	<b>32,648</b>	<b>nil</b>
<b>Fish meal</b>			
<b>Gingelly meal</b>			
<b>Wheat and wheat bran</b>			

# Production, usage and demand of major raw materials

- Maize
  - Local production 50,000 mt; imports 125,0000 mt
- Soybean
  - 100% imported; no processing facilities
  - Local production for human consumption
- Rice bi-products
  - Bran/polish < 50% used in compounded feed
- Coconut poonac
  - Fed to dairy cattle, inferior than soy meal

# Biotechnological applications in animal feed in Sri Lanka

- Ban of imports of GM materials to the country - 2001
- Use of amino acids
- Use of prebios and probios
- Research in universities on biotechnological applications in animal nutrition

THANK YOU