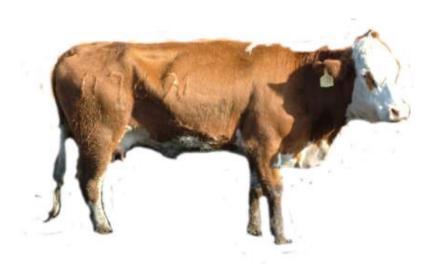


#### Ministry Of Agriculture and Rural Development Extension Service

**Animal Production Division Dep. of Cattle Husbandry** 

#### **Beef Cattle Production**



gilsagee@gmail.com

#### **Course content**

- 1. Introduction
- 2. Breeds of cattle
- 3. Beef cattle breeding management
- 4. Beef cattle feeding management
- 5. Beef cattle reproduction management
- 6. Cattle fattening
- 7. Cattle slaughtering in Israel

#### **Beef Cattle Production**

Dr. M. Rosen

### Agrostudies program

March 2009



http://www.ambal.co.il/beefstudies/

## Introduction



# BEEF INDUSTRY FACTS ISRAEL

- Per capita consumption in 2007 was:
  - ◆Beef 17 Kg.
  - ◆Poultry 60 Kg.
  - Ovine 4 Kg.

#### Beef production / consumption in Israel

	Total tones	
<b>Beef Consumption</b>	119,000	
<b>Beef Production</b>	69,000	
Dairy	30,330	
Beef	7,670	
Imported live	31,000	
Total local	38,000	
Beef Import (frozen)	50,000	
Total	119,000	

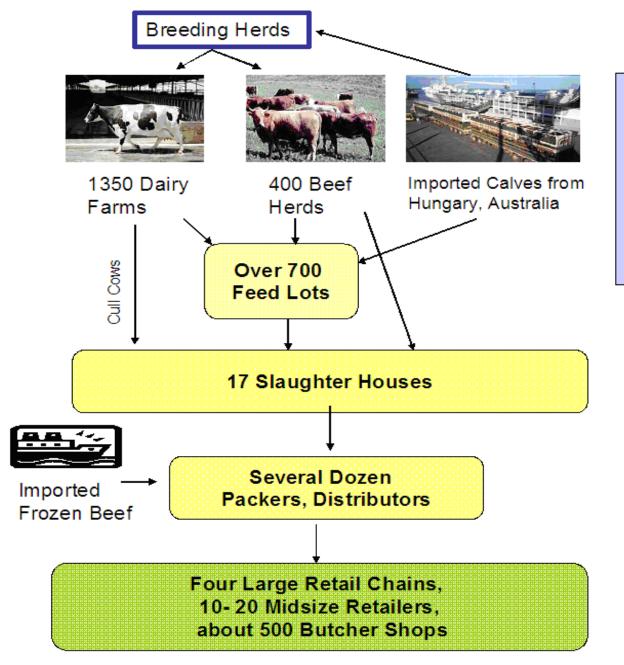
## Estimate of beef slaughtered by source in a representative year.

	Head	
Dairy Herd		
Cows	40,000	
Bulls and Heifers	75,000	
Total	115,000	50.0%
Beef Herd		
Cows	5,000	
Heifers	13,000	
Fattening bulls	17,000	
Total	35,000	15.0%
Imported Calves Slaughtered	80,000	35.0%
Grand total	230,000	100.0%

# ISRAEL BEEF INDUSTRY STRUCTURE

- Seedstock
- Commercial Cow-Calf
- Dairy
- Feedlot
- Packer
- Retailer
- Consumer

- 10 breeders
- 400 producers
- 1350 dairy farms
- 700 (~1500) feedlots
- ~20 packers
- ~20 food chains
- 6.5 million

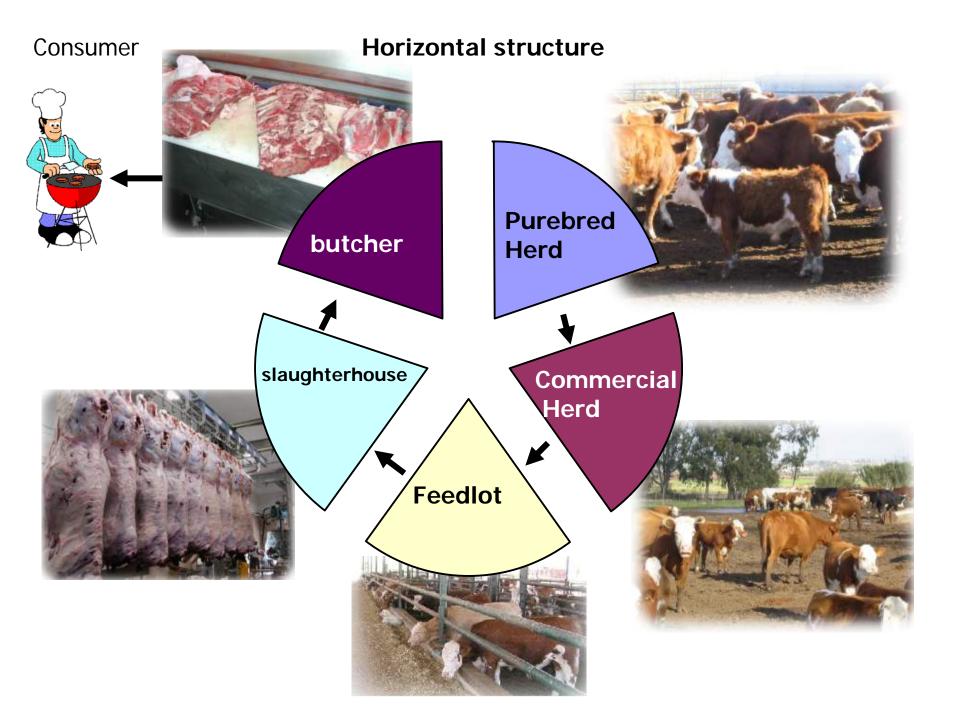


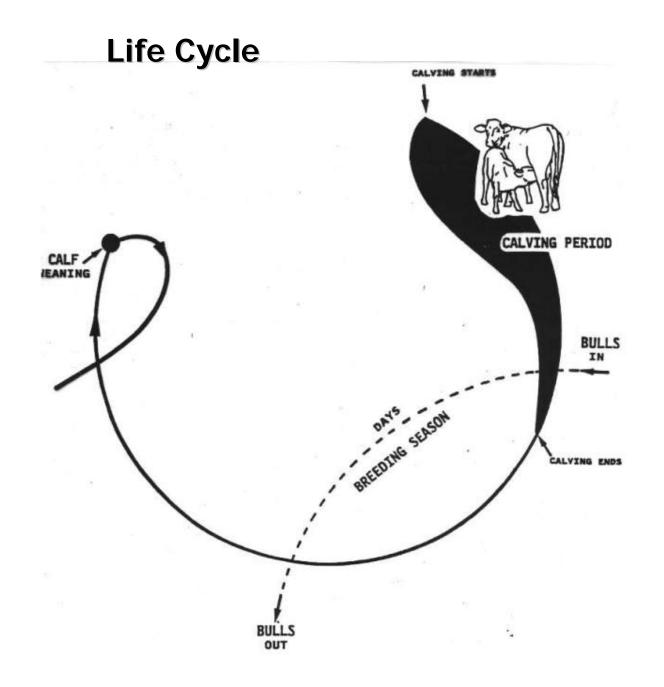
Structure of Israel's Beef Industry

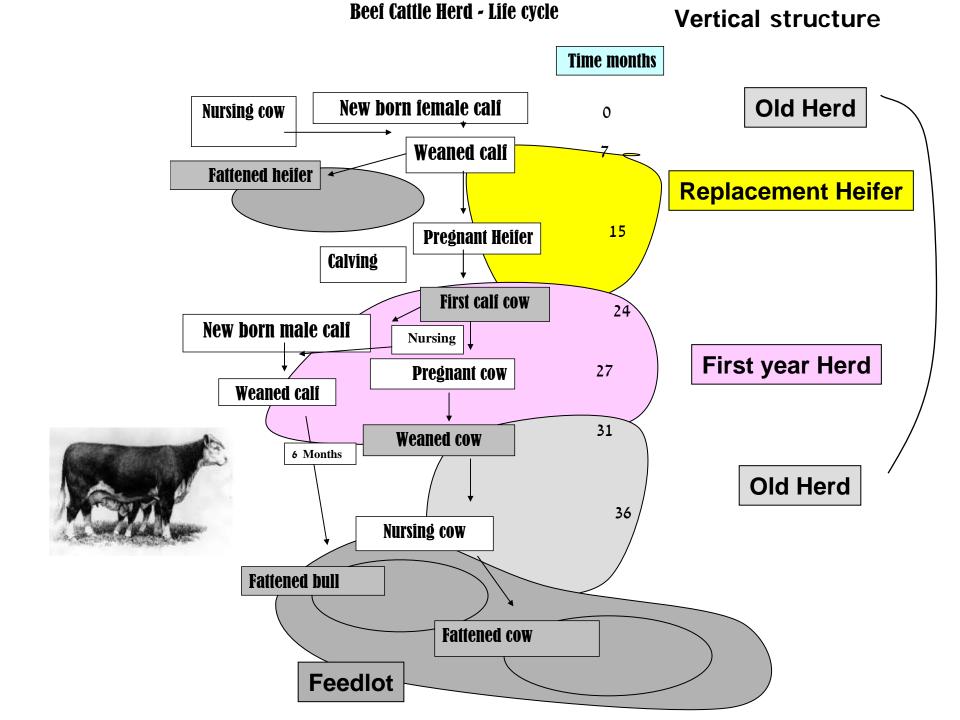
Dr. Dan Dvoskin and Samuel J. Cohen 2004

# Industry Structure

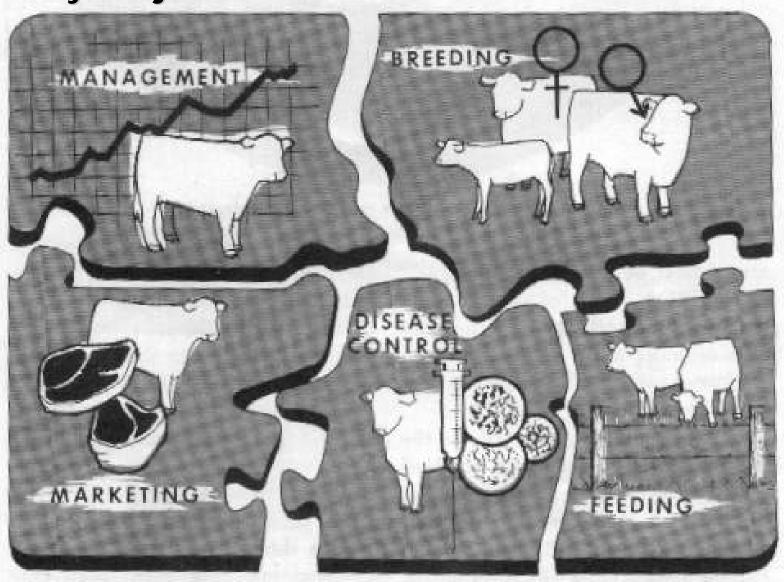




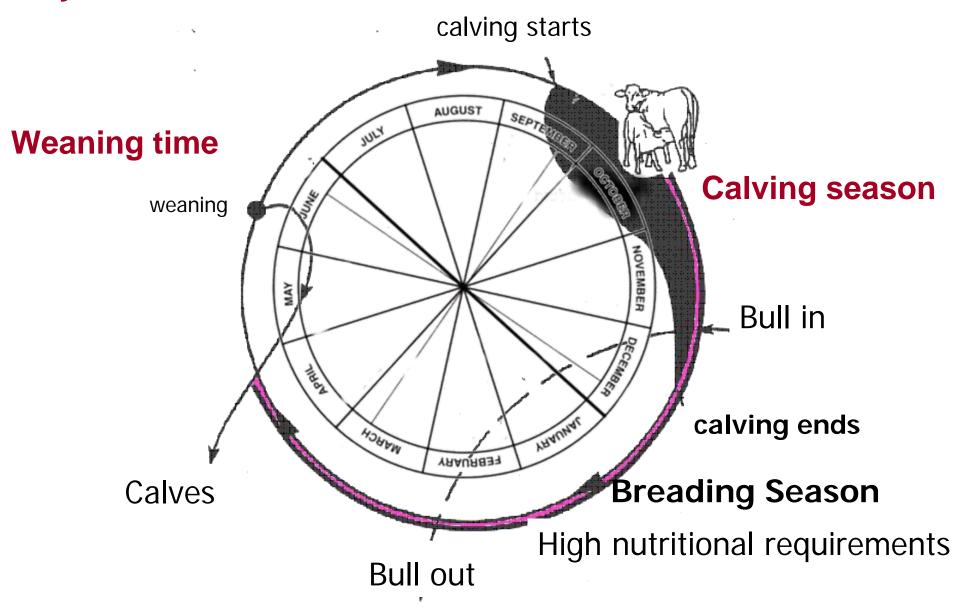




By Subject structure



#### By season structure



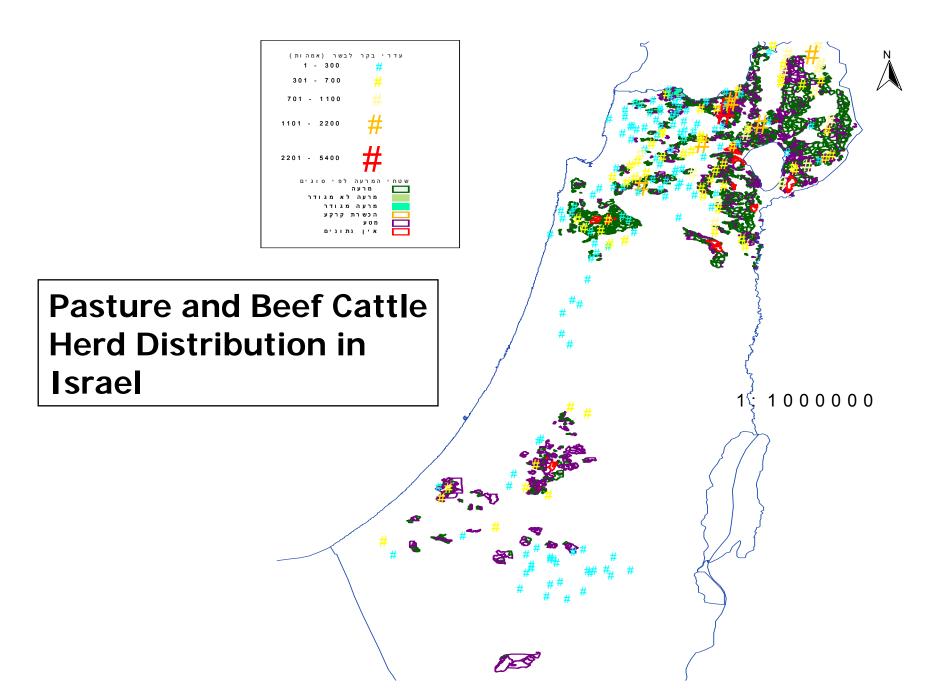
## Cow-Calf Herd 70,000 heads

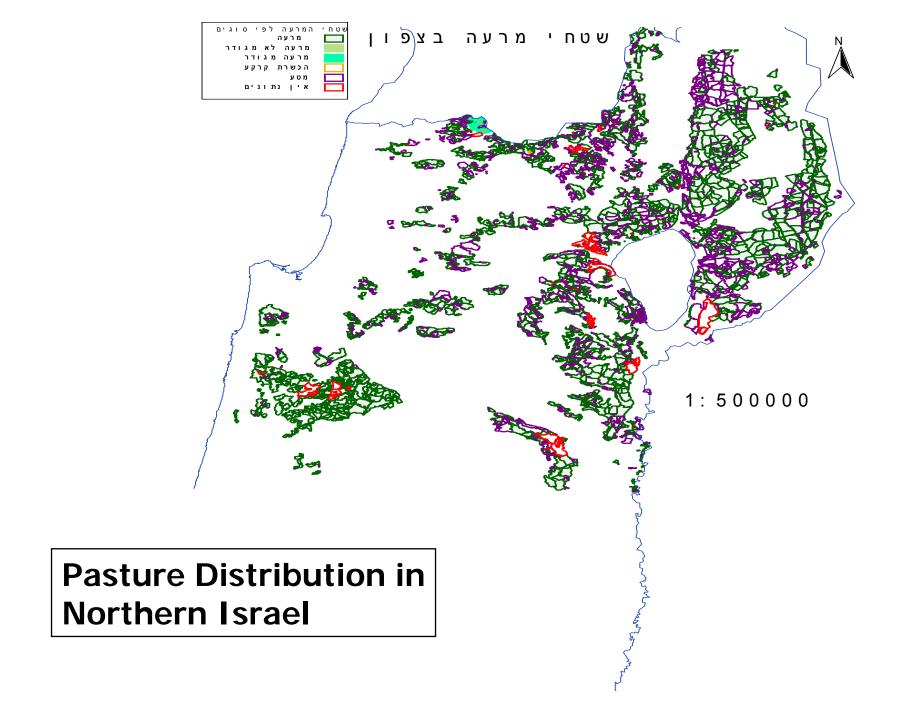
#### **Traits of interest**



- a. Weaning weight: calves are sold by weight!
  - a. 800-1000\$ / 1st cwt\* (kg) + 1.5-2\$ for each additional kg
- b. Calf crop weaned: % of cows weaning a calf (68%)
- c. Annual cow expenses: ~\$400.
- d. Longevity: reproductive life in the herd (9 years)
- e. Carcass composition: most important to cow-calf producers that will retain ownership in weaned calves.
- f. of ~80 beef cattle breeds in Israel, 4 breeds are the most important & 5 comprise 80% of the genetics in Israel.

<sup>\*</sup> Dollars Per Hundred Weight



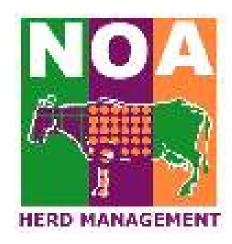


# SIZE of CATTLE OPERATIONS



Heads	Distribution
	%
<25	2.5
26-125	47.5
126-615	40
>616	10

### IRM



- Integrated Resource Management is a system approach to managing a beef, a dairy and a feedlot farms.
- The NOA software is the leading tool for IRM in Israel.