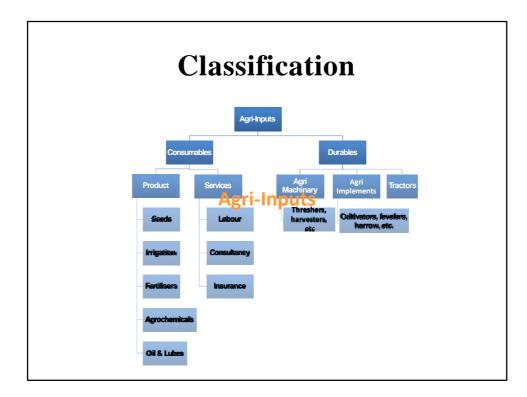
# **Agri-Input Marketing**

6/18/2020

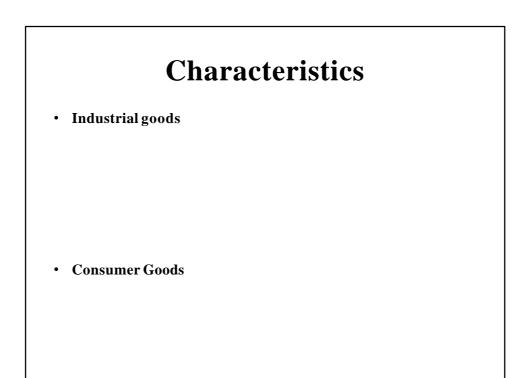
# **Understanding Agri-Input Market**

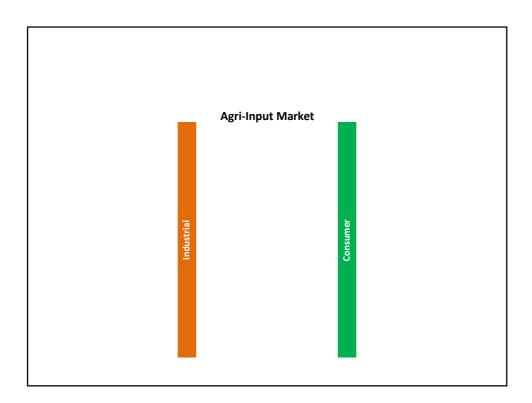
- Classification
- Nature of demand
- Marketing environment
- Marketing mix

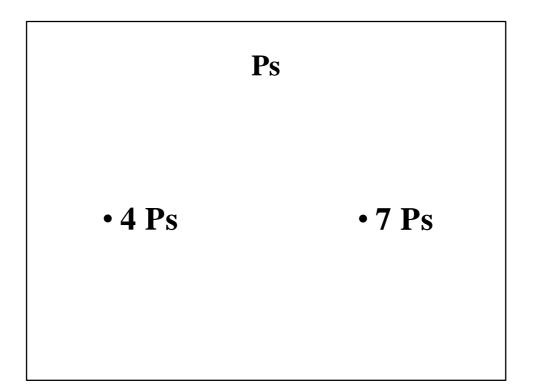


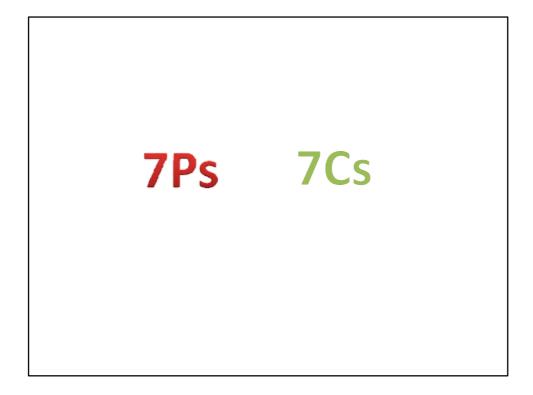
# **Nature of Demand**

- Derived Dynamic
- Complementary Recurring
- Dependant Seasonal
- Relatively inelastic









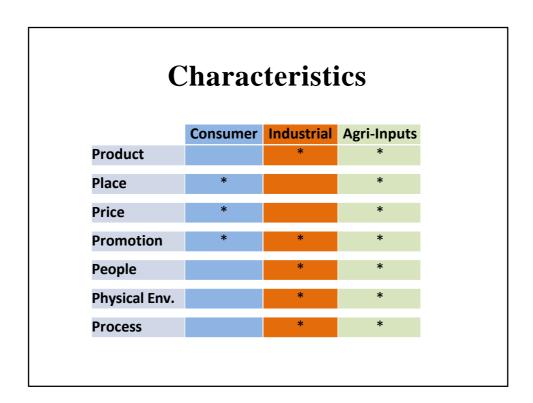
# **4Ps - Marketing Mix**

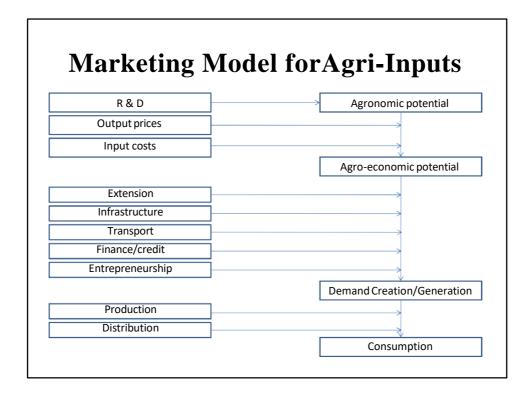
- Price
  - Both industrial and agri-inputs share similar response
  - Both the users are concerned about quality and price. Balance
- Product
  - Both users are more concerned and interested to know the tech. aspects and performance
  - Both seek product knowledge and advisory

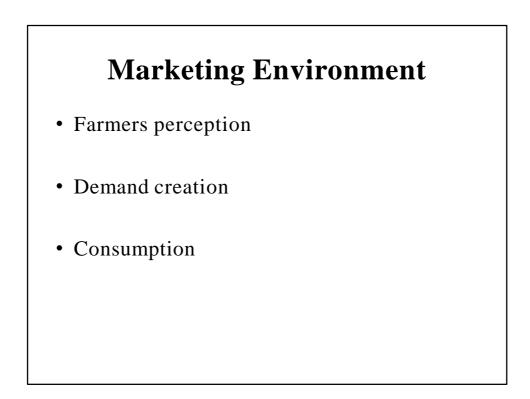
# **4Ps - Marketing Mix**

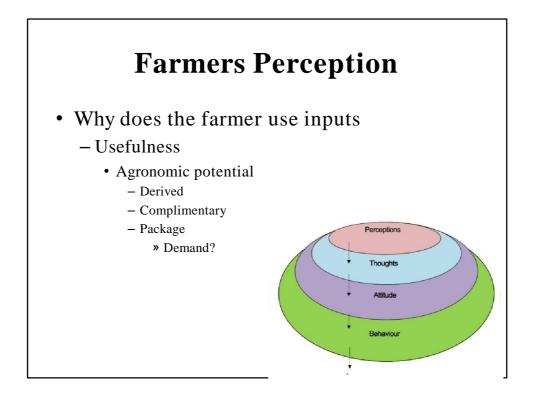
#### • Place

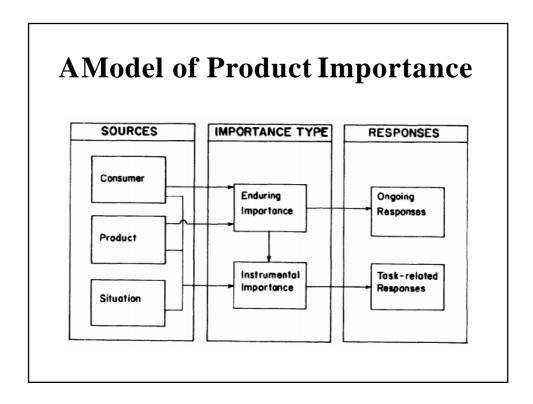
- No. of channel members
- Network intensity
- Role of channel members
- Demand creation/generation by channel
- Promotion
  - BTL Vs ATL
  - Intensity

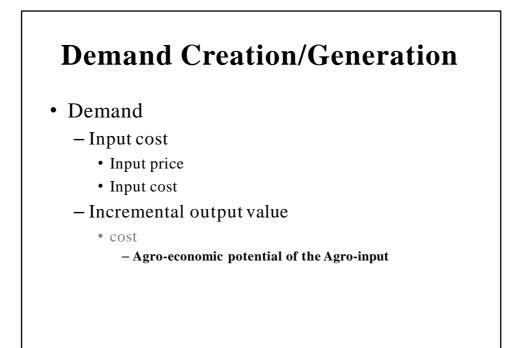


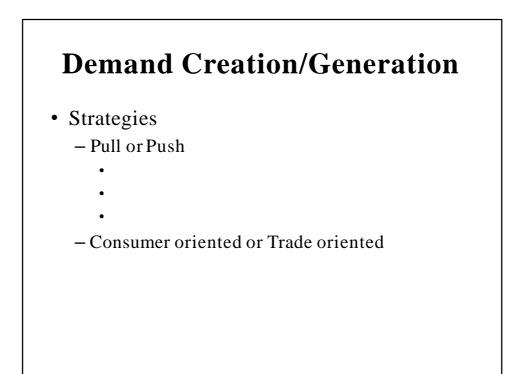


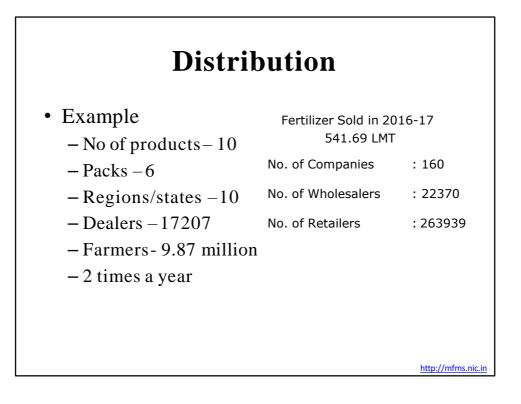


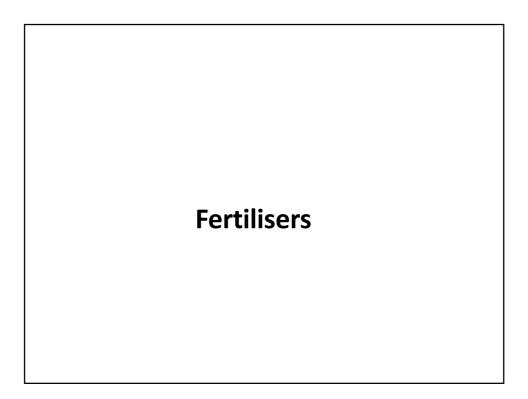


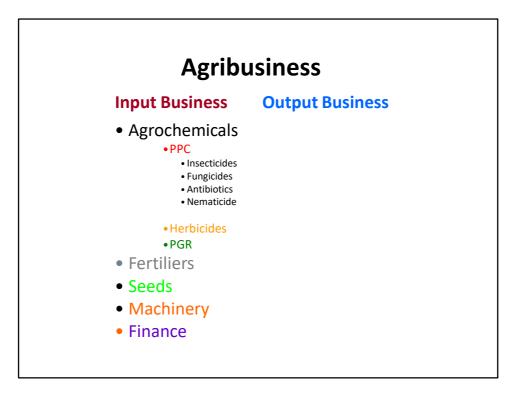


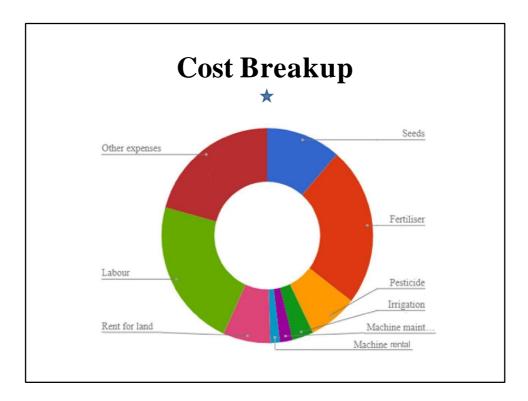










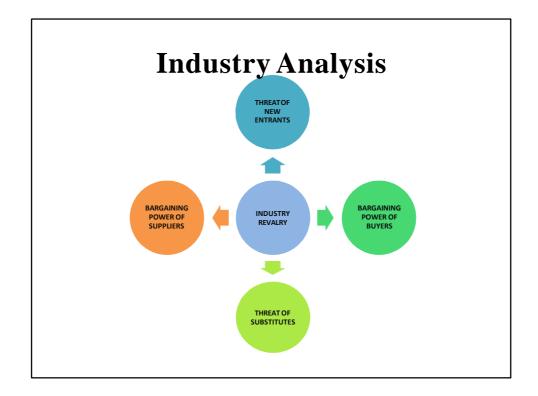


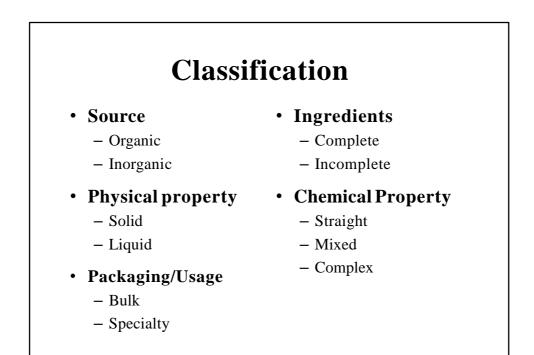
# Fertilisers

**Synthetic or natural** products applied to <u>soil or to</u> <u>the foliage</u>, supply <u>certain essential nutrient</u> to the plant for nutrition and growth are known as **Fertilisers**, **Chemical Fertilisers** or **Commercial Fertilisers**.

#### **Salient Features**

- Contributes 40-50% of the agricultural productivity
- 3<sup>rd</sup> highest fertiliser production
- Over 120 units
  - 57 Large
  - -64 -Medium



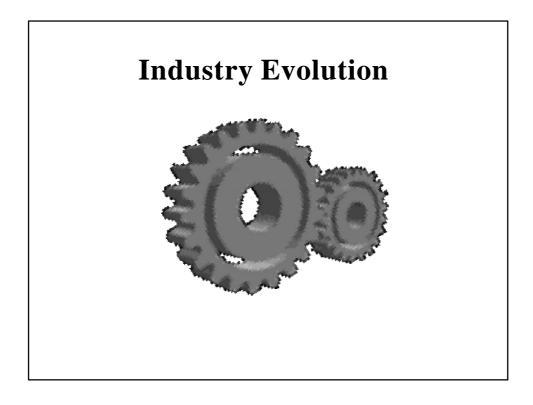


# What?

- What is the need for fertilisers?
- What is the need of the plant/crop?
- What is supplied by the fertilisers?

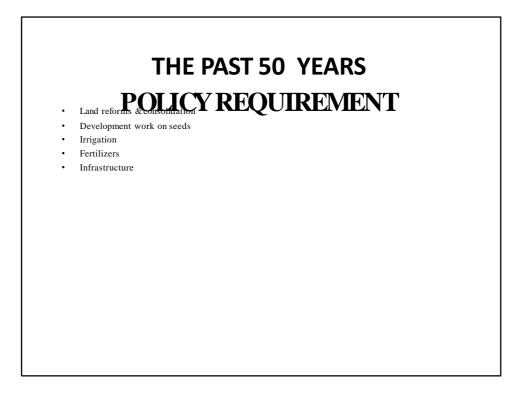
# **Industry Makeup**

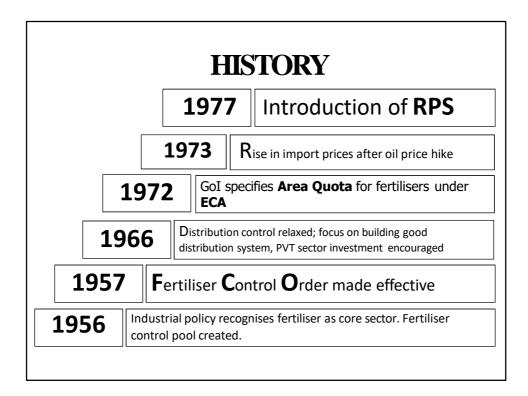
- Consumer/Customer
- Channel
- Importers
- Manufacturers
- State Governments
- Government of India

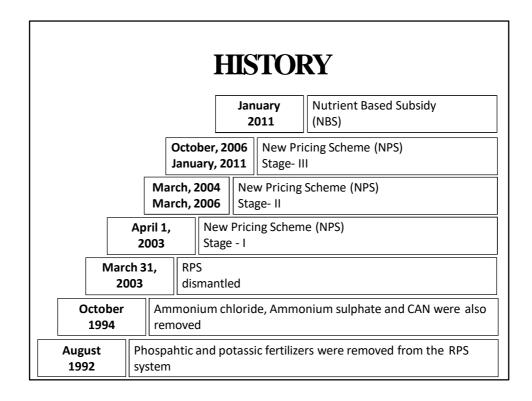


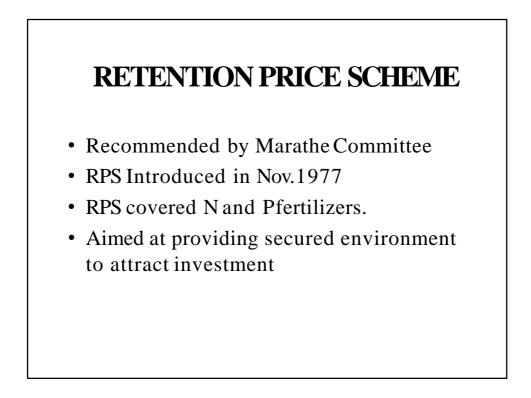


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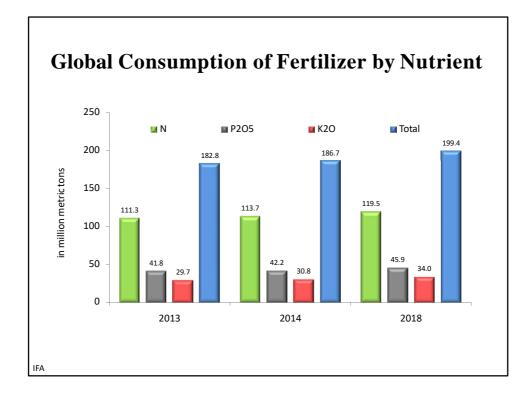
#### **RPS - Salient Features**

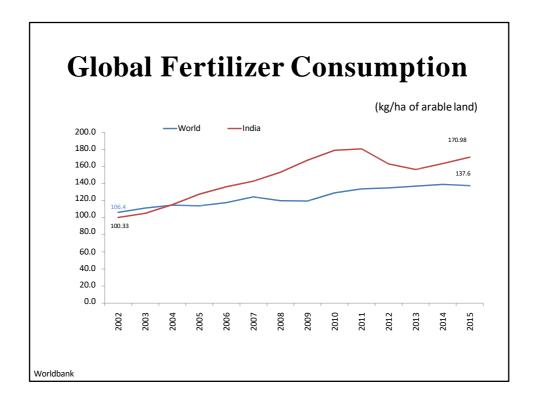
- Unit specific retention price fixed
- Cost of raw material, utilities and conversion cost determined and fixed
- Capital related charges included
- Cost determination at normative level
- Pricing period cycle 3 Years
- Escalation de escalation considered quarterly

		Gov	23011/17/20 ernment of ment of Fe	India					Go	3011/12/201 (भारत सरकार) vernment of I (उर्ज्वरक विभाग) rtment of Fert	odia	
		OFFIC	E MEMORA	Dated the 1	van, New Delhi 7 <sup>th</sup> April, 2017				OFFI	CE MEMORA	Shastri Bhav Dated the	van, New /6 April,
ject: Imp and	olementa I Potassi	ution of the Nu c (P&K) Fe <b>r</b> tili	trient Based zers and rev	l Subsidy (NBS) policy ision in the NBS Rates	for Phosphatic for 2017 – 18.	Subject:	Implem and Pot other is	assic	(Pork) Fertil	atrient Based izers, revision	Subsidy (NBS) policy in the NBS Rates for	for Phosp 2018 - 19
acly Nitrog	en (N), i ered und as unde	Phosphate (P) ler NBS Polic r:	, Potash (K) y for the yes	that per Kg subsidy and Sulphur (S) con ar 2017-18 applicable	tained In DO IF	fertilizer		unde	r NBS Polic		hat per Kg subsidy and Sulphur (S) con 2018-19 applicable :	
	S. No	Nutrients	NBS (Rs.	per Kg of Nutrient)	1		S	No	Nutrients	NDO (D.	- V	1
	1	N		18.989	1		0.		Nutrients		er Kg of Nutrient) 18.901	-
	2	P		11.997				2	P		15.216	
	3	K		12.395				3	K		1.124	
1	4	S		2.240				4	S		2.722	
1		Name of f AP: 18-46-0- IOP: 0-0-60-0	0	NBS Rates for 201 8937 7437		F	S. No 1 2		Name of f P: 18-46-0- DP: 0-0-60-	-0	NBS Rates for 201 10402	8-19
3		SP: 0-16-0-1		2166		-	3		P: 0-16-0-1		6674 2734	
4		PS 20-20-0-1		6488			4		S 20-20-0-1		7177	
5	N	PK 10-26-26-	0	8241			5		K 10-26-26		8739	
6	N	P 20-20-0-0		6197			6	NP	20-20-0-0		6823	
7	N	PK 15-15-15		6507			7	NP	K 15-15-15		6786	
8		P 24-24-0-0	_	7437			8		24-24-0-0		\$188	
9		S: 20.5-0-0-2	3	4408			9		: 20.5-0-0-2	3	4501	
10		P 28-28-0-0		8676		-	10		28-28-0-0		9553	
11		РК 17-17-17		7375			11 12		K 17-17-17		7691	
12		PK 19-19-19		8242		-	12		K 19-19-19 K 16-16-16-		8596	
13		PK 16-16-16-		6941			13		S 16-20-0-1		7239 6421	
14		PS 16-20-0-1	3	5729			15		K 14-35-14	0	9529	
15		PK 14-35-14 PS 24-24-0-8		8593			16		S 24-24-0-8	*	8188	
10		AP: 11-52-0-		7437			17	MA	P: 11-52-0-		9991	
18		AP: 11-52-0- SP: 0-46-0-0	0	8327			18		P:0-46-0-0		6999	
19		SP:0-46-0-0 PK 12-32-16		5519			19	NP	K 12-32-16		8917	
20		PK 12-32-16 PK 14-28-14		8101		-	20		K 14-28-14		8464	
20		PK 14-28-14 PKS 15-15-15	00	7753			21	NP	KS 15-15-15	-09	7031	
		ur not included	-09	6709			hald one for	Laboration of	not included			
							roady on su	ipitor	not moraueu			

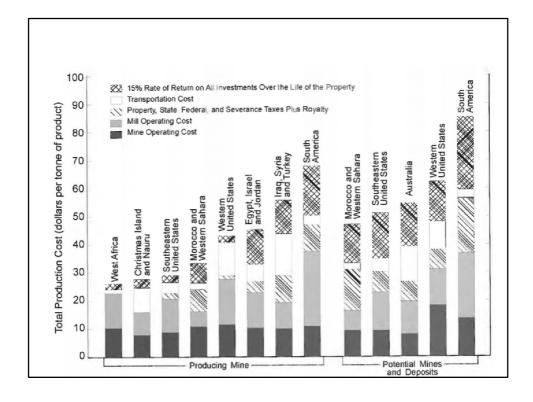
Grades of I	Fortilizors	
	14-28-14-0	
MAP:11-52-0-0		
TSP:0-46-0-0	15-15-15-0	
MOP:0-0-60-0	AS: 20.3-0-0-23	
16-20-0-13	20-20-0-0	
20-20-0-13	28-28-0-0	
23-23-0-0	17-17-17-0	
10-26-26-0	19–19–19-0	
12-32-16-0	SSP(0-16-0-11)	
		Grades of Fertilizers
	DAP (18-46-0-0)	15-15-15-0
	MAP (11-52-0-0)	17-17-17-0
	TSP (0-46-0-0)	19-19-19-0
	MOP (0-0-60-0)	Ammonium Sulphate (20.6-0-0-23)
	SSP (0-16-0-11)	16-16-16-0 (w.e.f. 1.7.2010)
	16-20-0-13	15-15-15-9 (w.e.f. 1.10.2010)
	20-20-0-13	24-24-0-0 ( w.e.f. 22.6.2012)
	20-20-0-0	DAP Lite(16-44-0-0) (w.e.f. 1.2.11)
	28-28-0-0	24-24-0-8 (wef 12.11.13 to 14.2.15) without subsidy on S
	10-26-26-0	DAP 4S (w.e.f. 25.2.13 to 7.11.13) without subsidy on S
	12-32-16-0	DAP Lite-II(14-46-0-0) (w.e.f. 30.8.2011 to 29.8.2012)
	14-28-14-0	MAP Lite (11-44-0-0) (w.e.f. 30.8.2011 to 29.8.2012)
	14-35-14-0	13-33-0-6 (w.e.f. 30.8.2011 to 29.8.2012)

	RTILIZERS	-	
S.No	Particulars		
1	Krista – K (KNO <sub>3</sub> )		
2	CaNO <sub>3</sub>		
3	19:19:19		
4	20:20		
5	SOP (0-0-50-17)	S.No	MICRONUTRIENTS Particulars
		<b>3.NO</b>	Photosal Garden mix
		2	Rose mix
		3	Micronol
		4	Jayamin
		5	Coconut micronutrient
		6	Zinc Sulphate
		7	Copper Sulphate
		8	Magnesium Sulphate
		9	Manganese Sulphate
		10	Ferrous Sulphate
		11	Neem cake
		12	Borax (10 %)
		13	Borax (20 %)

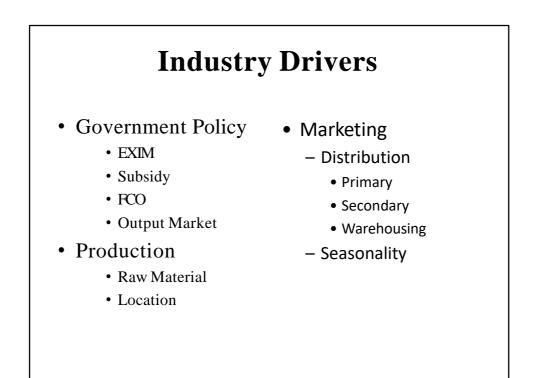


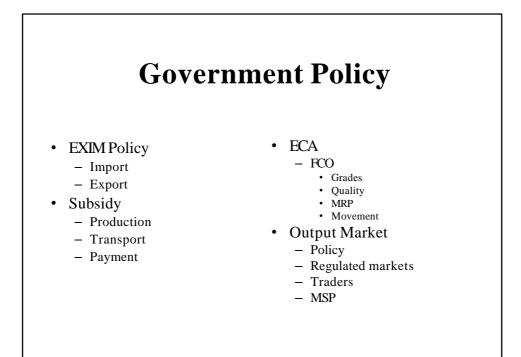


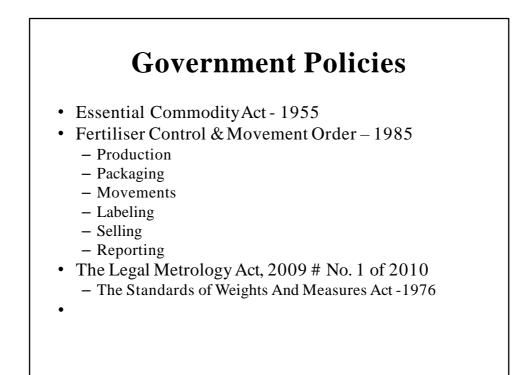
IIICI Case/D							imption &	x
	S	Supp	<b>ly</b> , 20	14-2	018			
		Ν	N		Р	Ρ	К	К
Africa								
North Africa		2.5	19.7		2.1	37.4	0.5	
Sub-Saharan Africa		5.4			2.0		5.3	
Americas								
North America		4.8	14.1		2.7	-6.6	2.2	53.3
Latin America & Caribbea	an	17.6	7.4		26.1	3.7	24.3	
Asia								
West Asia	7.7	4.1	8.1	57.6	7.3 2	24.9	<b>56.3</b> <sup>1.2</sup>	
Couth Acia	2.1	24.5	3.4	62.8	31.3	2.6	<b>12.0</b> 19.3	
East Asia		29.1	30.6	02.0	19.0	35.3	35.8	12.0
Europe								
Central Europe		3.3	0.9		2.9		2.8	
West Europe		-1.5			0.3		2.0	-0.5
East Europe & Central As	ia	9.0	16.0		5.9	3.0	6.0	34.8
Oceania		1.3	0.4		0.5		0.4	



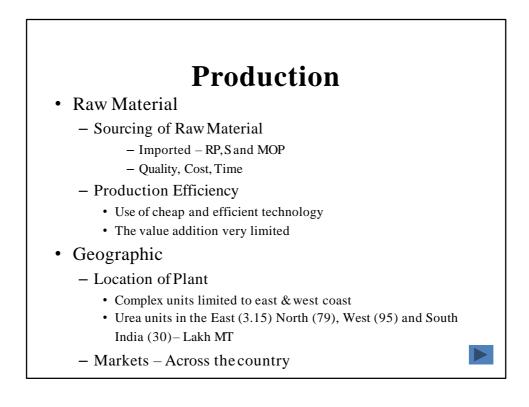
р	otash	
•	otasn	in million tonnes
Country	Production	Reserves
Canada	12.0	1,000
Russia	7.2	500
Belarus	6.4	750
China	6.2	360
Germany	2.9	150
Israel	2.2	270
Jordan	1.3	270
Chile	1.2	150
Spain	0.7	44
United States	0.5	210
United Kingdom	0.5	40
Brazil	0.3	24
Other countries	0.5	90
World total	42.0	3,900







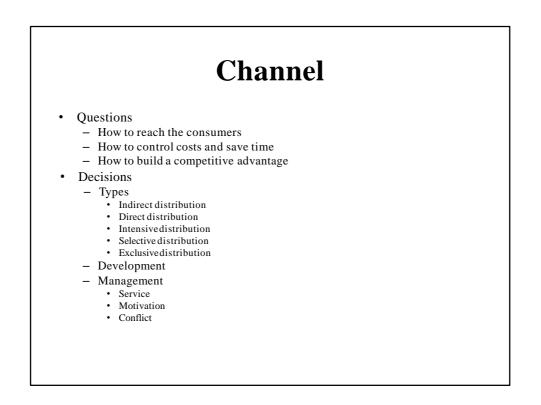




#### Inventory

The Necessary Evil

- Inventory Management
  - Cost of warehousing
  - Cost of capital
  - Opportunity cost
  - Deterioration of quality
    - Physical Quality
    - Chemical Quality

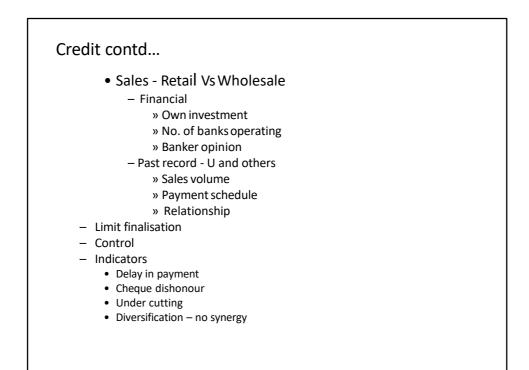


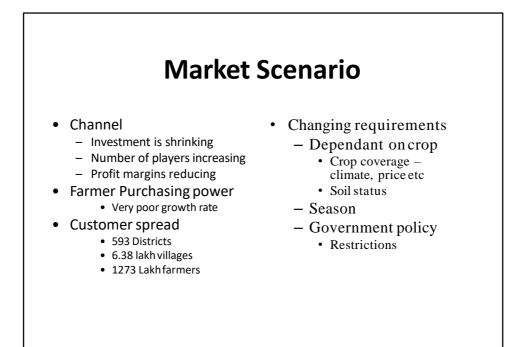
6/18/2020

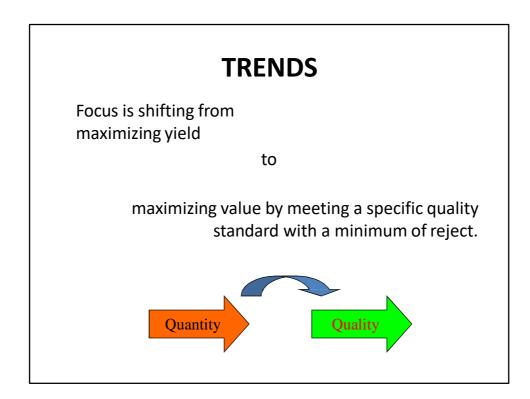
### Credit

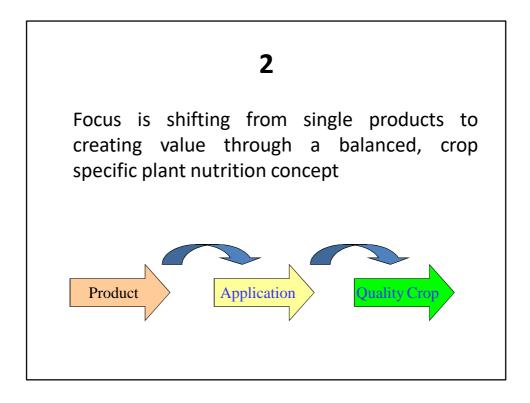
#### Channel Credit

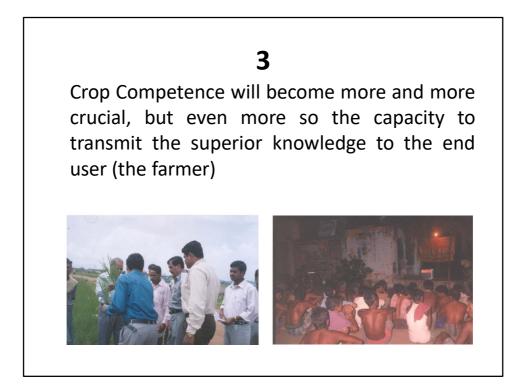
- Assessment no records available
  - Geographic location
  - Dealer
    - Personal standing
    - Period in business
    - Type of firm proprietor, partnership, etc
    - Types of business multiple business
    - Infrastructure
      - » Warehouse Nos. & capacity
      - » Vehicles
      - » Manpower skilled, semi-skilled & unskilled

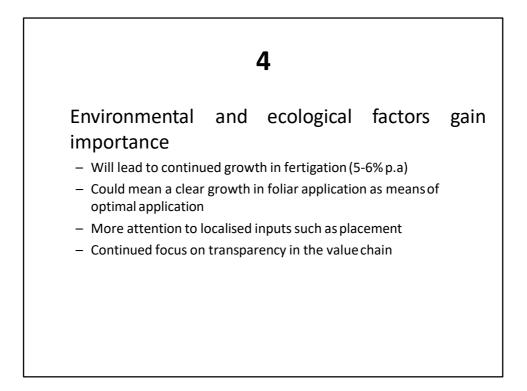


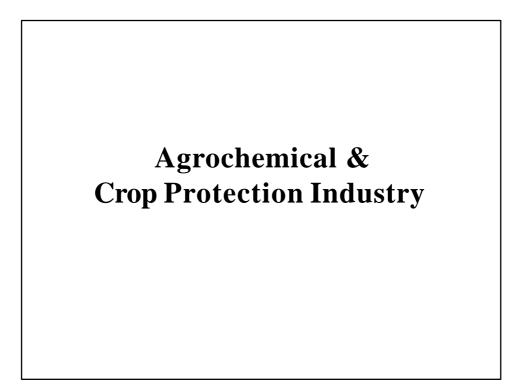






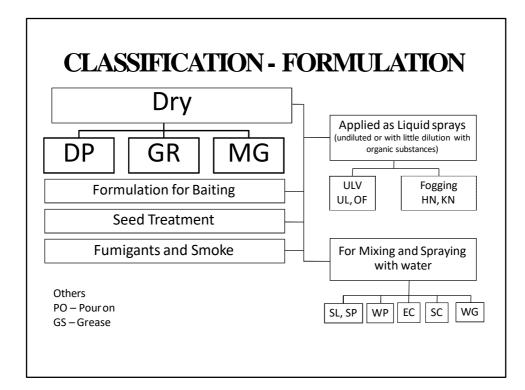






# CLASSIFICATION

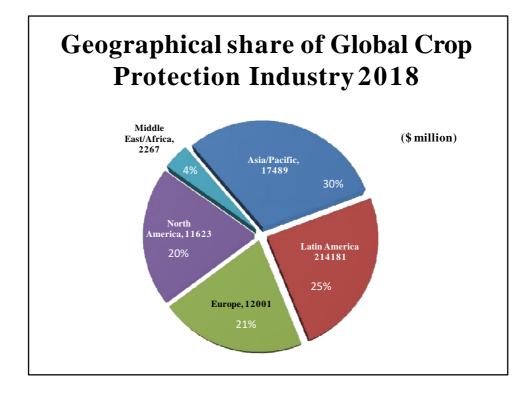
- Chemical Nature
  - Organic
    - Natural Rotenone and pyrethrum
    - Synthetic permethrin, malathion, glyphosphate etc
  - Inorganic
  - Target Pest
- Chemistry
  - Organochlorines Chlordane, DDT
  - Organophosphates Malathion
  - Carbamates Propoxur
- Mode of Action
  - Stomach toxicants
  - Contact toxicants
  - Fumigants
  - Systemic toxicants
  - Chemical repellents

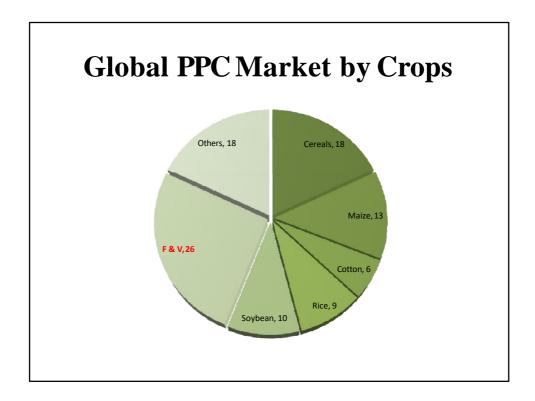


Market segment	2017	% change	2018
Crop protection	54,319	5.6	57,561
Non-crop pesticides	7,311	3.0	7,538
Fotal	61,630	5.3	65,099

<section-header>

Source: <u>www.agrow.con</u>



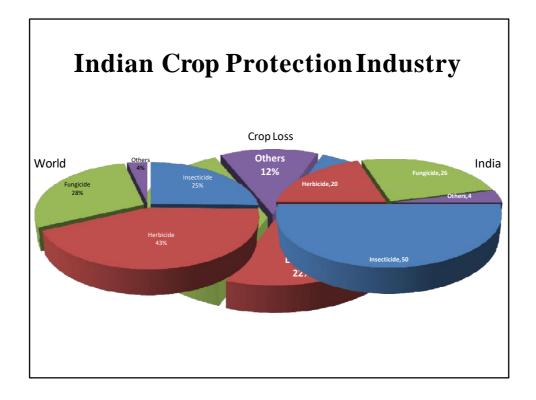


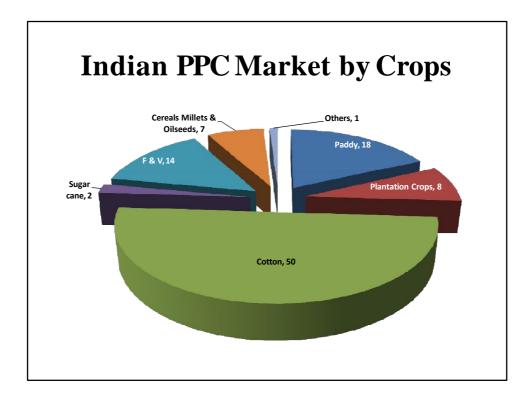
### **Industry Structure**

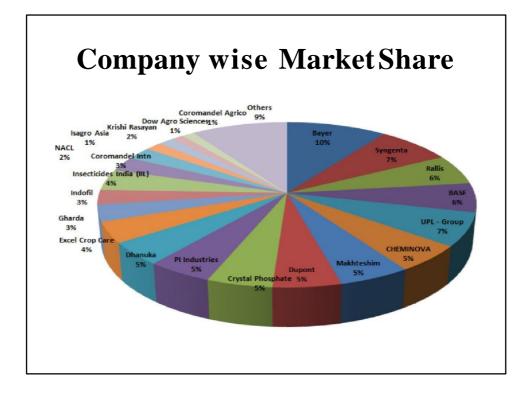
- Agrochemicals
  - Technical grade manufacturers 125,
  - Formulators 800 and
  - Distributors 1,45,000
  - 4<sup>th</sup> Largest producer
  - Major exporters of agrochemicals

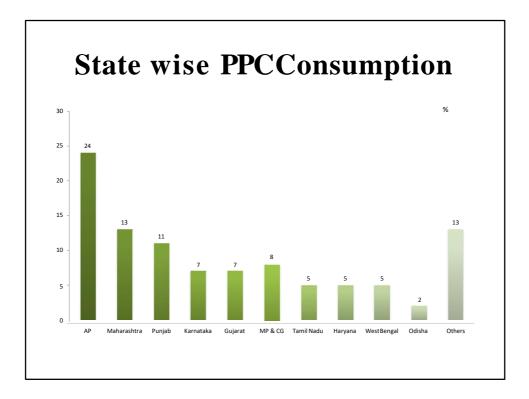


- About **20%-40%** crop production is lost due to insects, weeds and diseases.
- Crop protection chemicals usage is one of the lowest and erratic in the global scenario.
- <u>Consumption of pesticides</u> in
  - India is 0.6 Kg/ha as compared to
  - World average is 3kg/ha.
  - Highest is 17kg/ha.

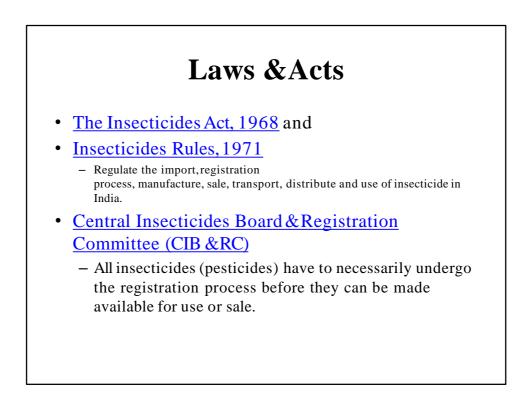


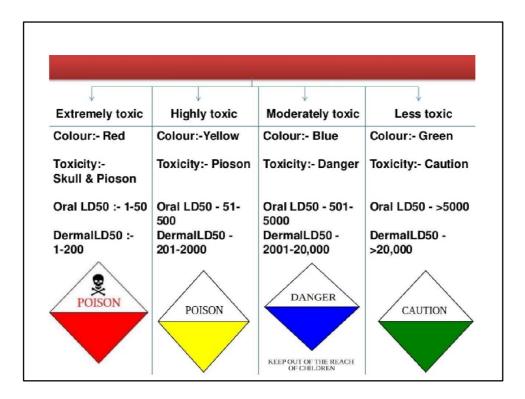


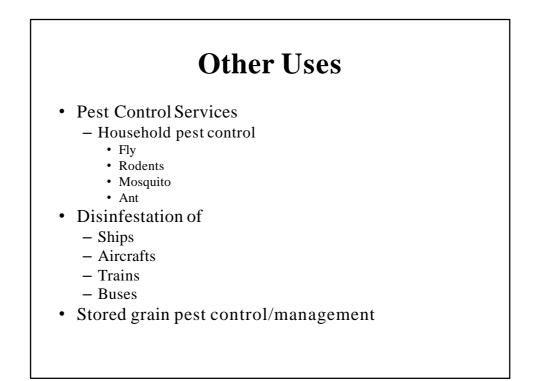




- It can take
  - -10 years and
  - cost over € 200 million to turn an interesting molecule into a product that farmers can use.
- What's more, there are no guarantees. A potential product can fail at any point along the way 1:1,00,000 rule .



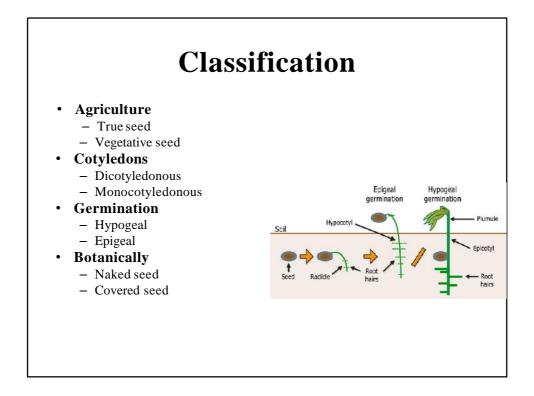


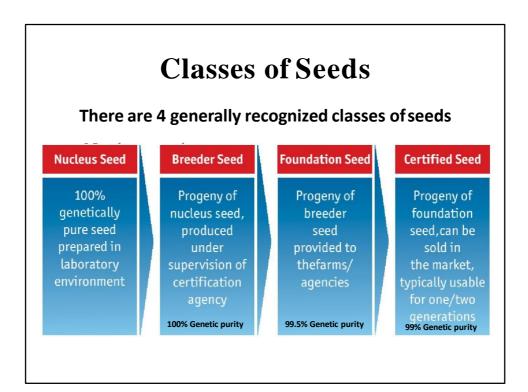


# **Indian Seed Industry**

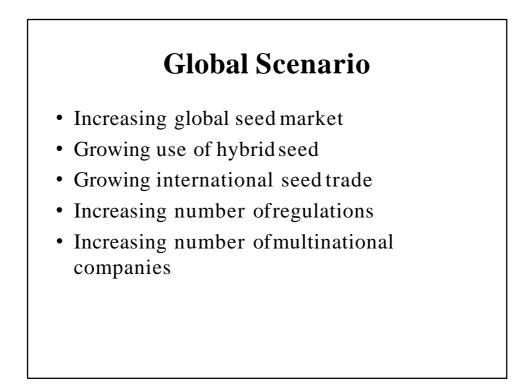
## Definition

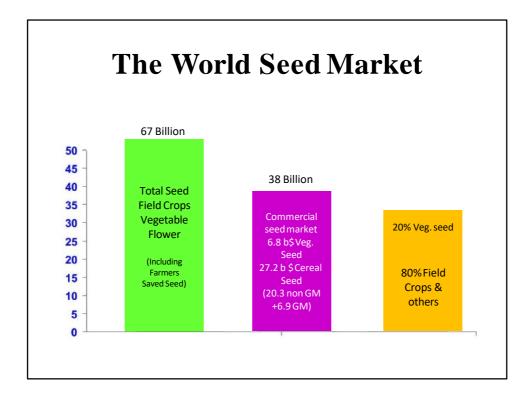
- Any part of the plant used for crop cultivation may be defined as seed in agriculture.
- Botanically
  - A seed may be define as a mature ovule consisting of an embryonic plant (dormant) together with a store of food, all surrounded by a protective coat.

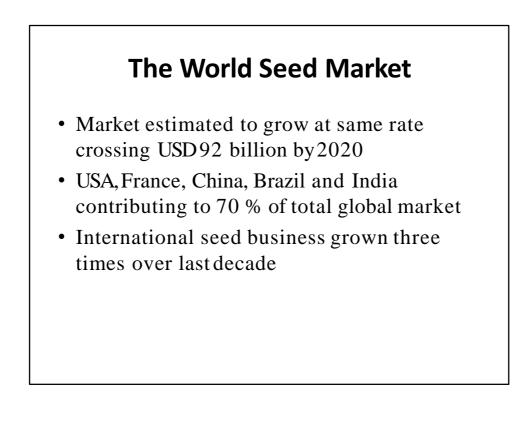


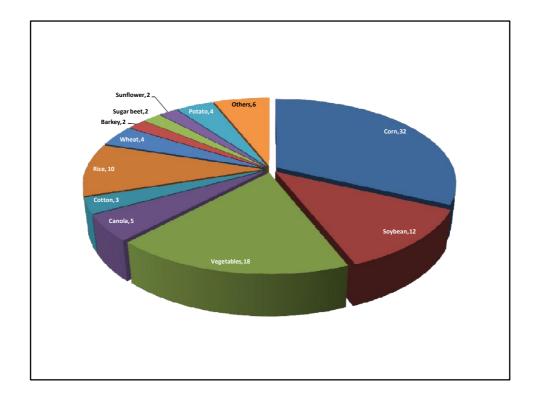


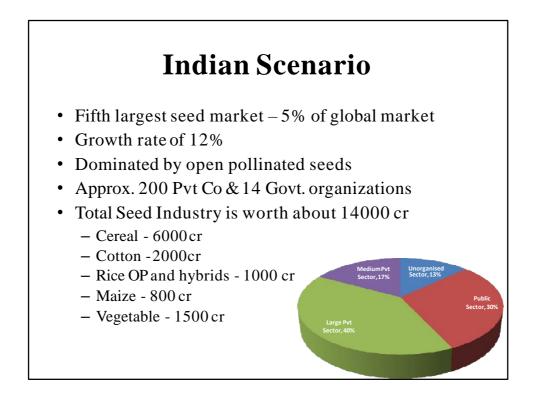
<b>Certified seed</b>	<b>Truthfully Labeled Seed</b>
It is the progeny of foundation seed.	Produced by cultivators, private seed companies.
Certification is voluntary. Quality guaranteed by certification agency.	Truthful labeling is compulsory for notified kind of varieties
Applicable to notified kinds only	Applicable to both notified and released varieties
It should satisfy both minimum field and seed standards	Tested for physical purity and germination
Seed certification officer, seed inspectors can take samples for inspection	Seed inspectors alone can take samples for checking the seed quality.







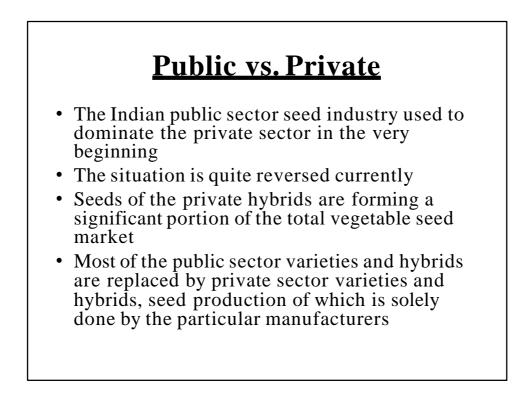


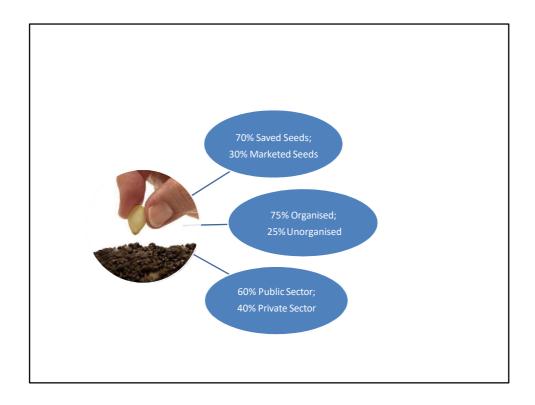


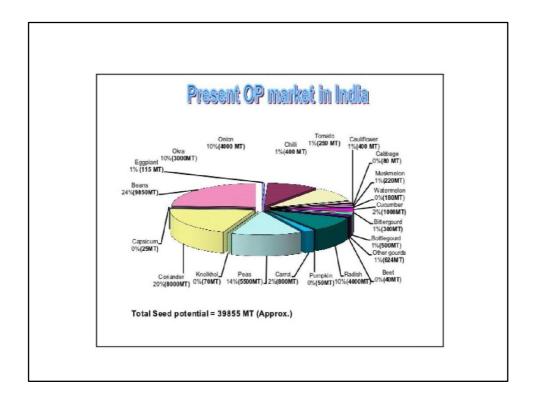
## **The Seed Industry - ATime Line**

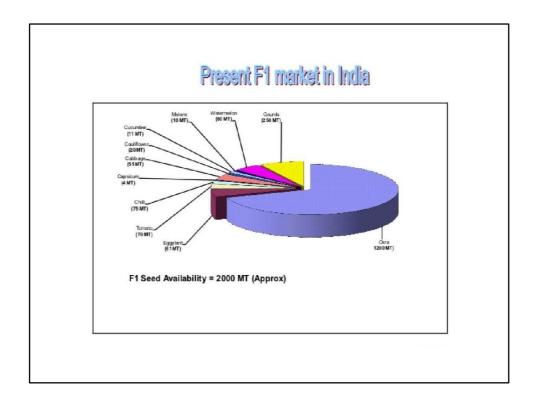
## • Pre independence

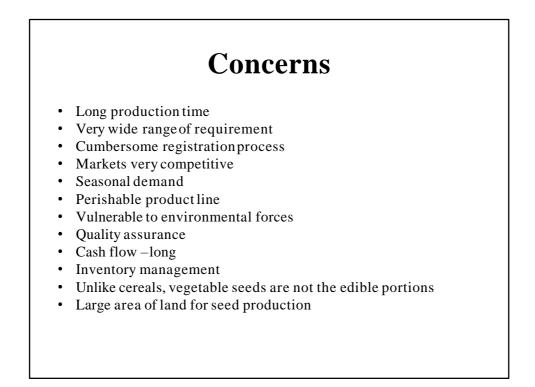
- No organized seed production
- Very few seed companies- Suttons and Sons in Kolkata
- Royal commission of Agriculture (1925) recommended spread of improved varieties and seed distribution
- Post independence
  - National Seed Corporation (NSC) in 1963
  - The Seeds Act, 1963 (1966)
  - New Seeds Policy, 1988



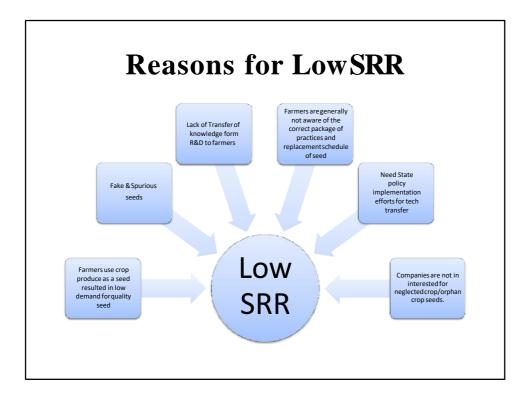








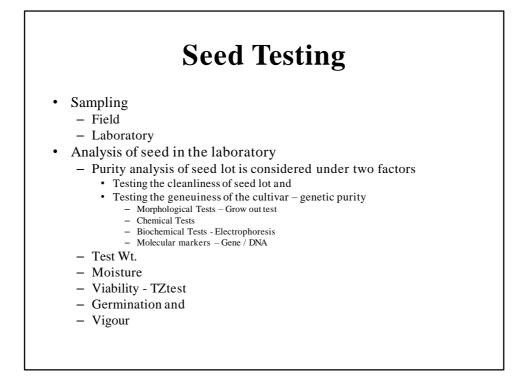
Cron	Crear National		Highest SRR		Lowest SRR	
Crop	Average SRR	%	State	%	State	
Paddy	33	82	AP	9	Uttarakhand	
Wheat	25	42	Maharashtra	11	J&K	
Maize	50	100	Karnataka	5	Orissa	
Jowar	26	65	AP	11	Tamilnadu	
Bajra	63	100	Gujarat	29	Karnataka	
Sunflower	43	100	AP	8	MP	

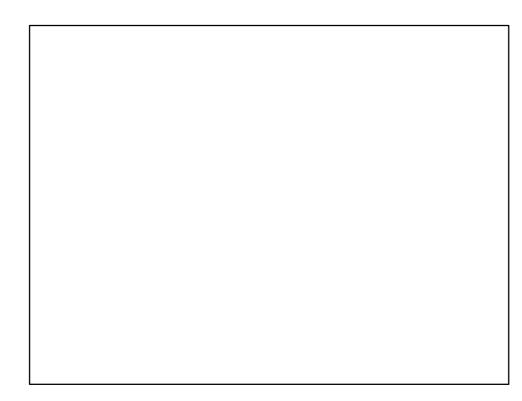


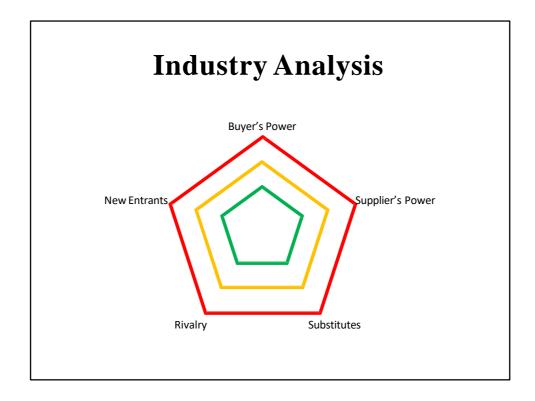
## **Terminator technology**

- Terminator technology is the genetic modification of plants to make them produce sterile seeds. They are also known as suicide seeds.
- Patented in the US by subsidiary of Monsanto – Delta and Pine Land Company
  - GURTs Genetic Use Restriction Technologies
    - V-GURTs-terminatortechnology
    - T GURTs traitor technology

PPVR & FR
<ul> <li>Act passed in 2001 <ul> <li>Right 1: Access to seed</li> <li>Right 2: Benefit sharing</li> <li>Right 3: Compensation</li> <li>Right 4: Reasonable seed price</li> <li>Right 5: Farmers' recognition and reward for contributing to conservation</li> <li>Right 6: Registration of farmers' varieties</li> <li>Right 7: Prior authorization for the commercialization of essentially derived varieties</li> <li>Right 8: Exemption from registration fees for farmers</li> </ul></li></ul>
<ul> <li>– Right 8: Exemption from registration fees for farmers</li> <li>– Right 9: Farmer protection from innocent infringement</li> </ul>







Seed Regul	ation in I	ndia
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Seed Regulations & Seed related laws in India	Key Points
Seeds Act (1966)	Passed by the Indian Parliament in 1966 was designed to create a 'Climate' for making good quality seed available to cultivators. The major legislative measure: involved under the Act are Seeds rules framed in 1968, Seeds (Control) order formulated in 1983 after including seeds as an essential commodity. Seeds o food crops, oil crops, cotton seeds, seeds of cattle fodder and all types o vegetative propagating material are included under the act. A total of twenty five clauses have been mentioned in the act. The legislation could be broadly divided into two groups i.e. <b>Sanctioning legislation</b> and <b>Regulatory legislation</b> . Post the enactment of Seed Act in 1966 and framing of seeds rules in 1968 amendment: were brought to the Seed Act in 1972, 1973, 1974 and 1981.
Seeds (Control) Order, 1983	The inclusion of seeds as an essential commodity item under the Essential Commodity Act, 1955 brought the Seeds (Control) Order. The ministry of civi supplies earlier has declared the seed for sowing or planting materials of foor crops, fruits, vegetables, cattle fodder and jute to be essential commodities in exercise of power conferred by Section 2(a) of Essential Commodities Act, 1955 The order confers power to the Central Govt. to control, and regulate production, supply and distribution of essential commodities.

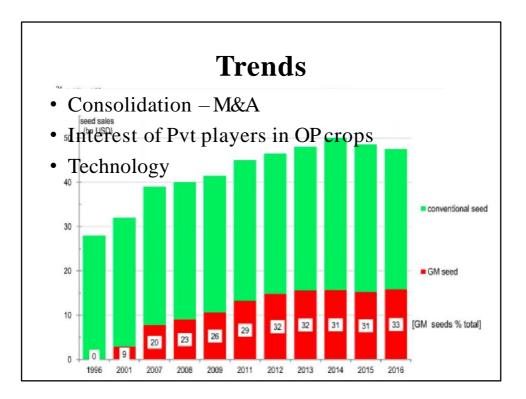
Seed Regulations & Seed	Key Points
related laws in India	
New Seed Development	The New Seed Development Policy was formulated to provide Indian farmers
Policy (NSDP) 1988-89	with access to the best available seeds and planting materials of domestic as well
	as imported quality. The policy permits the import of selected seeds under Oper
	General License (OGL), to make available to the farmers high quality seeds to
	maximize yield and productivity. The policy allows import under OGL of items
	such as seeds of oilseed crops, pulses, coarse grains, vegetables, flowers
	ornamental plants, tubers, bulbs, cuttings and saplings of flowers.
Protection of Plant Varieties	The Protection of Plant Varieties and Farmers Rights Act, 2001 (and rules,
and Farmers Right Act, 2001	which were released in 2003), provide for the protection of intellectual
	property rights of seed manufacturers, who are required to register /notify the
	seed which they want to be placed under protection. After due diligence, and
	establishment of the fact, protection is granted to the variety for a period of 1
	years. This legislation ensures not only the protection on intellectual propert
	rights of the company incurring the cost of research and development (in the
	market at large), but also those of the farmer whose land is being utilised for the
	production of the concerned seeds.
National Seed Policy, 2002	National seeds policy was formulated in the year, 2002 to provide an
	appropriate climate for the seed industry to utilize available and prospective
	opportunities, safeguarding the interest of farmers and conservation of the
	biodiversity. The policy raised India's share in the global seed trade by
	facilitating advanced scientific aspects such as biotechnology to farmers and as
	result, in March 2002, the first transgenic Bt. cotton was approved fo
	commercial cultivation in India.

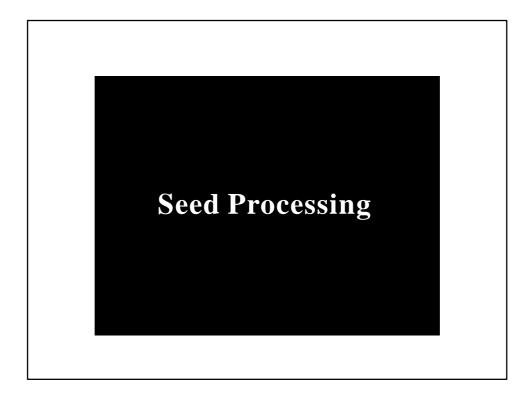
Seed Regulations & Seed	Key Points
related laws in India	
Protection of Plant Varieties	The rules were enforced for the smooth implementation of the Act, 2001. The
Rules, 2003	rules provide detailed procedures while applying for protection, ways
	administering the national gene fund, procedure on application for
	compensation, procedure to alter the denomination of a registered variet
	procedure for cancellation of certificate and all other procedures to b
	implemented as per the provisions given in the PPV & FR Act, 2001
Seed Bill 2004	With a view to repealing and replacing the Seed Act 1966, the Seed Bill 2004
	was introduced. Among others, one of the notable exemptions provided in th
	Bill with regard to farmers' seed was: "Nothing in this Act shall restrict the righ
	of the farmer to save, use, exchange, share or sell his farm seeds and plantin
	material, except that he shall not sell such seed or planting material under
	brand name or which does not conform to the minimum prescribed limit of
	germination, physical purity, genetic purity". An amended Seed Bill wa
	introduced in 2008 has not been enacted thus far. Therefore, the Seed Act 196
	and its amendments are still in force.

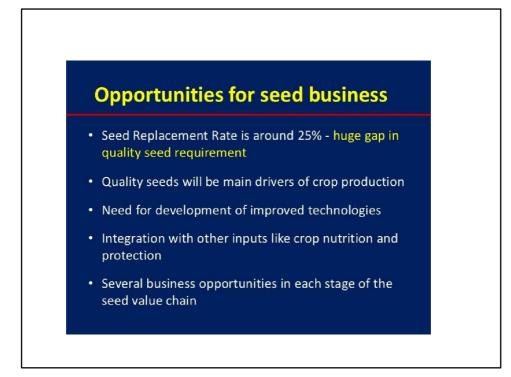
## Bill 2004 and PPV & FRAct, 2001

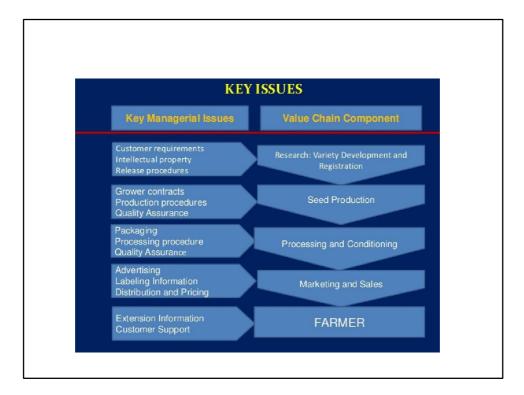
Seed Bill 2004	PPV & FR Act, 2001
Farmer has to claim compensation from a	Farmer get compensation from the PPV
consumer court and redressal under the	authority which is all the more simpler
Consumer Protection Act, 1986	
Does not require the declaration of origin of	Requires the declaration of origin of variety
variety along with pedigree details	along with pedigree details
Does not grant any recognition to the	Provides rewards for farmers contribution and
contribution of farmers	also the benefit sharing
Seed dealers are not under any obligation to	Provides compulsory licensing which safeguards
provide reasonable seed supply to farmers	the interests of farming community to ensure
	adequate seed supply at reasonable price on
	the Government.
Grant of provisional registration is considered a	No such provisions have been given
major draw back	

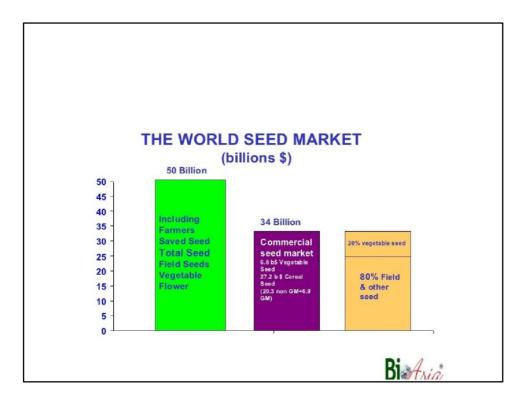
Industry			
Statutory Body	Function		
State Seed Certification Agencies (SSCA)	Responsible for seed certification in the concerned states. Make field inspections and conduct seed tests required for seed certification.		
Central Seed Certification Board (CSCB)	Advises the state governments and their SSCAs on the matters of seed certification.		
State Seed Certification Board (SSCB)	Supervises the activities of its SSCA.		
Protection of Plant Varieties and Farmers Rights Authority (PPV & FRA)	Central body that sets distinctiveness, uniformity and stability (DUS) test guidelines for the registration of 5 crop species covering cereals, pulses, millets, oilseeds spices, vegetables, flowers, medicinal plants and fibro crops. The authority receives applications under three broad headers; new varieties, existing or extan varieties which existed prior to the existence of the Act, and farmer varieties.		
National Seed Research and Training Centre (NSRTC)	Located at Varanasi and is the Central Seed Testing Laboratory (CSTL) under Seeds Act and also a Referral laboratory for courts in India.		

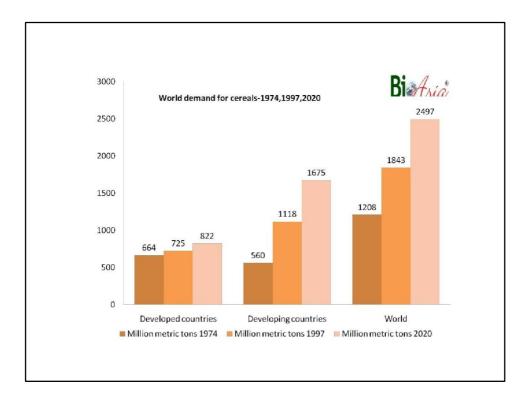


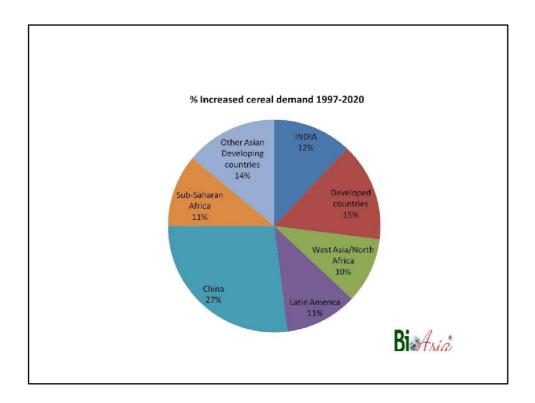


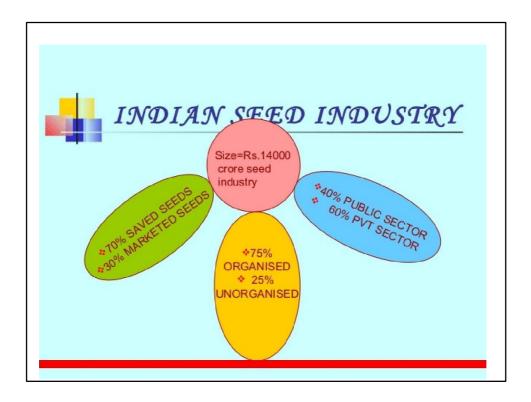


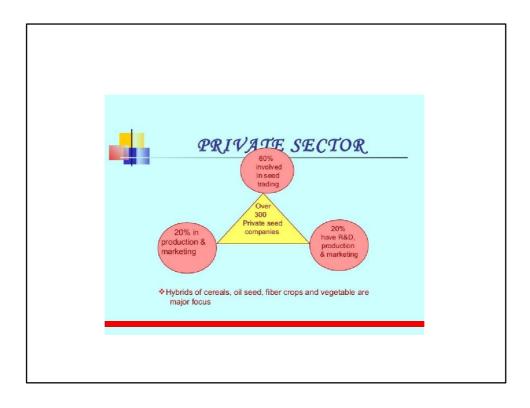




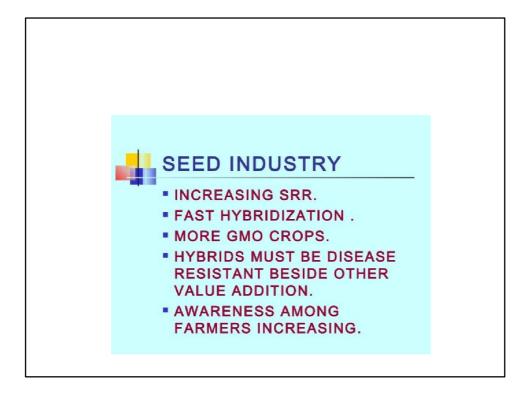


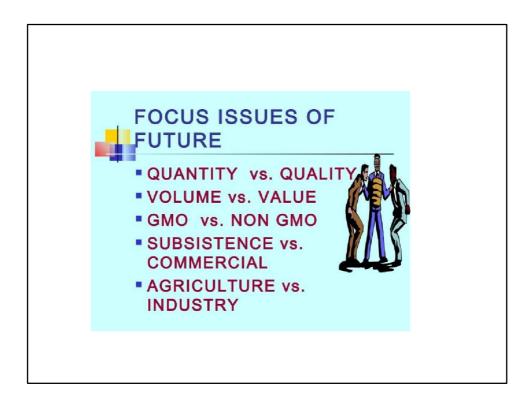










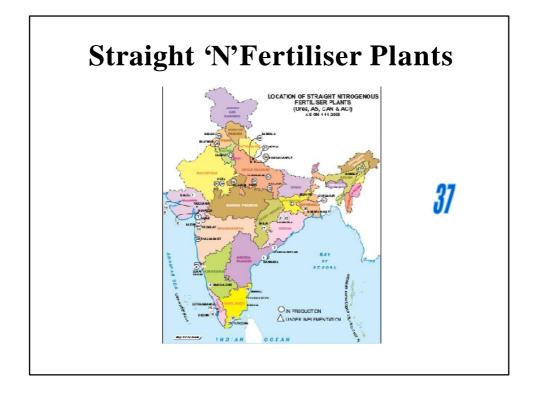


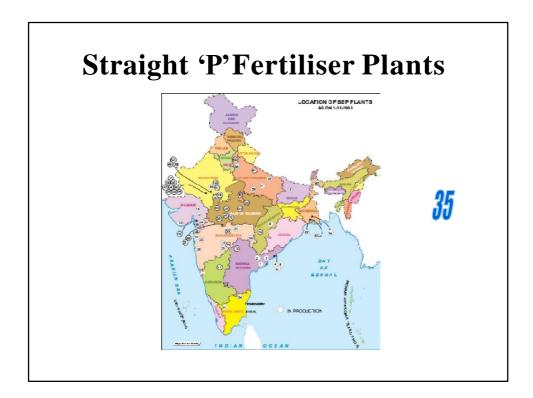


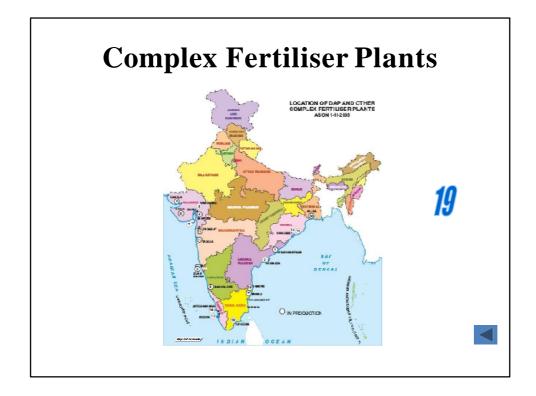


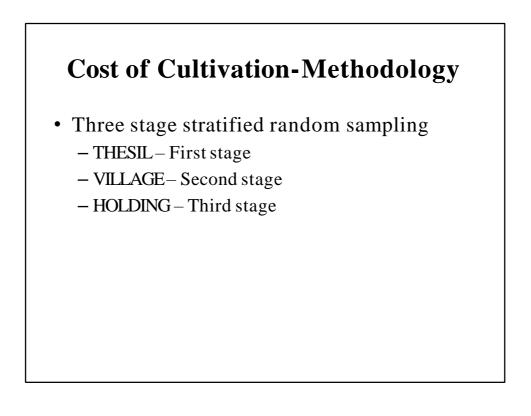
### 1. Buyer/User Behaviour

- 2. Market Segmentation
- 3. Product Management
- 4. Pricing Management
- 5. Brand Management
- 6. Channel Management
- 7. Rural Communication and Promotion
- 8. MIS
- 9. Logistics Management
- 10. Formulation of aComprehensive Marketing Strategy









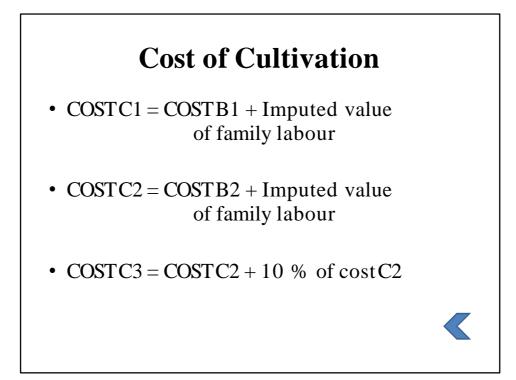
# **Cost of Cultivation**

#### • COSTA1 includes:

Value of hired human labour Value of hired &owned bullock labour value of owned & hired machine labour Value of Seed (owned &purchased) Value of insecticides &pesticides Value of fertilizers Value of manure (owned &purchased) Irrigation charges Land revenue &othertaxes Interest on working capital Depreciation on implements & farm buildings

## **Cost of Cultivation**

- COSTA2 = COSTA1 + Rent paid for leased-inland
- COSTB1 = COSTA1 + Interest on owned capital assets (excluding land)
- COST B2 = COST B1 + Rental value of owned land + rent paid for Leased-in land

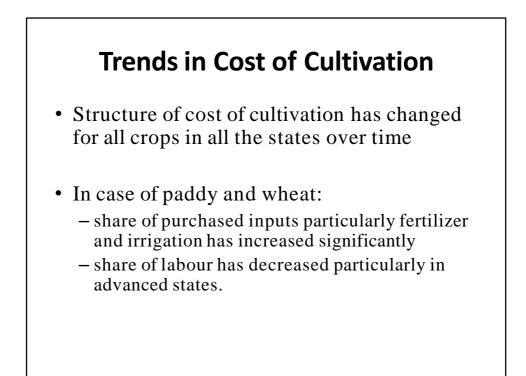


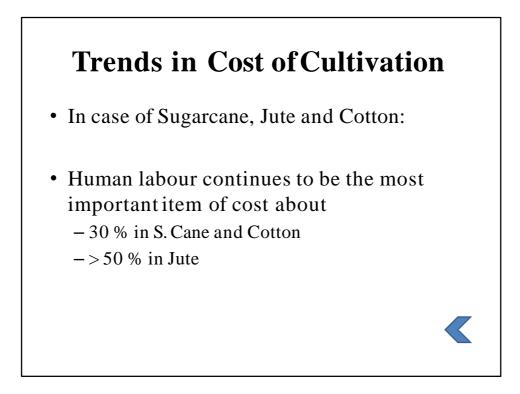


Cost of Cultivation

v/s

Cost of Production





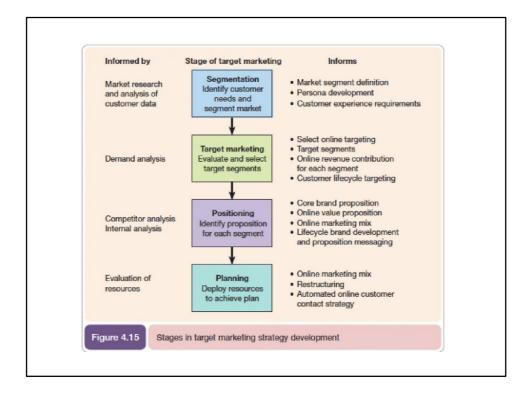
## **Trends in Cost of Cultivation**

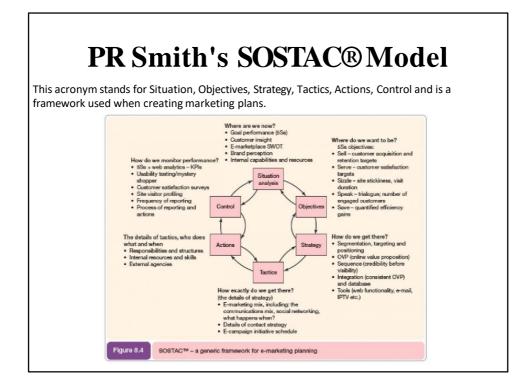
• The cost of cultivation (Rs/ha) also varies significantly across states for all crops.

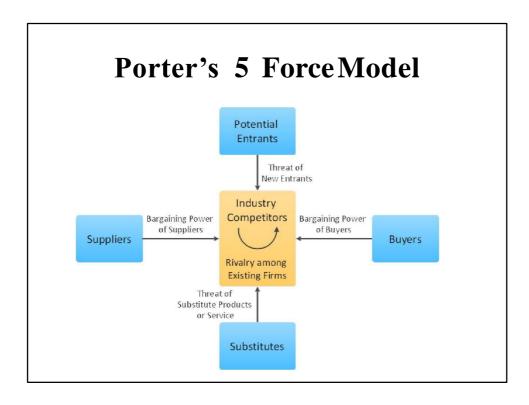
**For Paddy**: A.P – 22797, PUNJAB – 19126, ORISSA – 11646

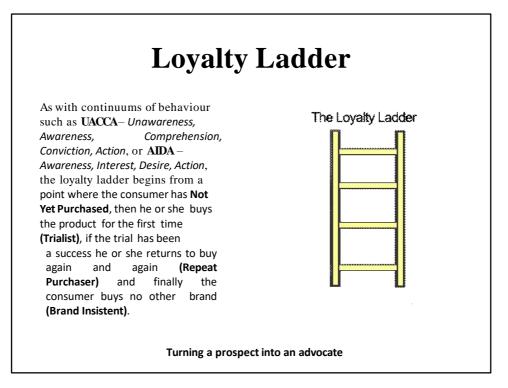
**For Wheat:** PUNJAB-19479, U.P.-13343, M.P.-10260

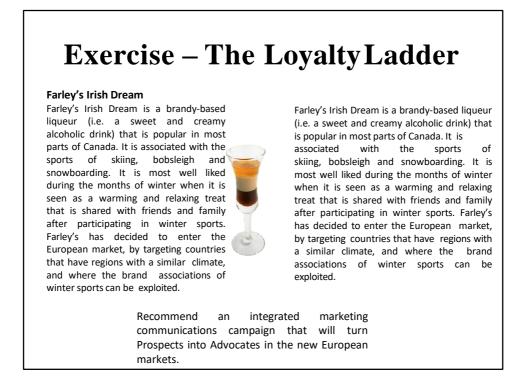
**For S.Cane**: A.P. – 45758, HARYANA – 24824, MAHARASHTRA – 40274, U.P. - 26148











## Recommendations for Farley's Irish Dream's launch into European markets

#### Prospect

- Sponsor well-known professional skiers, snowboarders and bobsleigh teams in order to gain some early awareness amongst prospects.
- Employ a promotions agency that will visit top competitive events throughout Europe to hand out small trial bottles to prospects.

#### Customer

- Target bars, supermarkets and hotels in the winter sports regions. Here run sales
  promotions and distribute free merchandise such as ski hats, point-of-sale and drip trays
  carrying the Farley's brand.
- Client
  - Sponsor websites that carry news and information about ski resorts and their current climate. Get clients to register their e-mail address and mobile phone numbers for e-mail and text information about skiing conditions.
  - Begin a campaign that aligns the brand with aspiring, 25-40 year old professionals by advertising in targeted magazines.
- Advocate
  - This is the culmination of the previous three sections. Use text and e-mail to promote Farley's to advocates, and reward them for forwarding e-mail and texts to their friends (using viral techniques). Record data on the success of campaigns by individual advocate, and continue to develop innovative and fresh ideas to keep your valuable advocates loyal.

