ORLD SPICE CONGRESS nmedabad to 29th February 2016

CROP REPORTS – CHILLY

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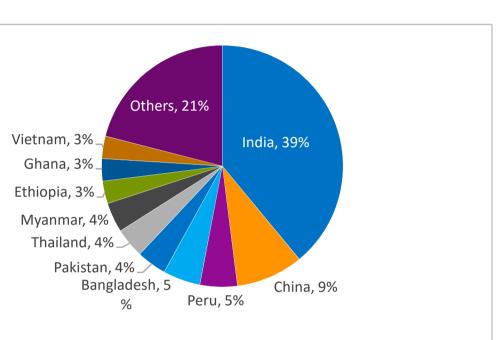












World Production of Chilli & Paprika is estimated to be about 3.5 MMT

ndia produces about 1.35 MMT, China 0.30 MMT and Peru comes third with about 0.2 MMT

World Production of Chilly is growing at a CAGR of 2.3% per year since the year 2000

World Chilly production has been increasing steadily mainly due to the increase in the two major growing countries: India & China

In India the crop has increased due to several new growing regions coming into reckoning during the last four to five years

Area in China has been increasing in the existing grow regions

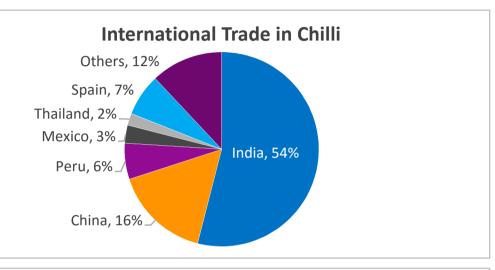
Guntur is the major market in India and determines the price of Chilly for all other domestic markets

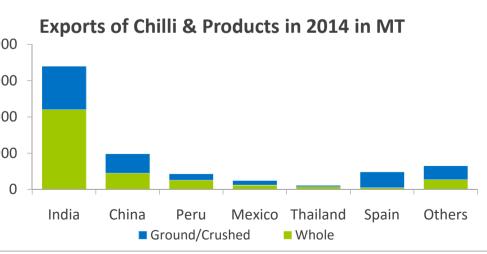
With the advent of on-line trading the Market has also been used to derive prices by most of the Importing world

ce: FAO Statistics, 2014









India, China and Peru account for nearly 75% of World Chilli Trade in volumes

The total exports of Chilli (Whole & Ground) during 20 amounted to about 0.62 MMT

Valued at about 1,370 Million US\$ during 2014

India Exported nearly 54% of World's Chilli by volume

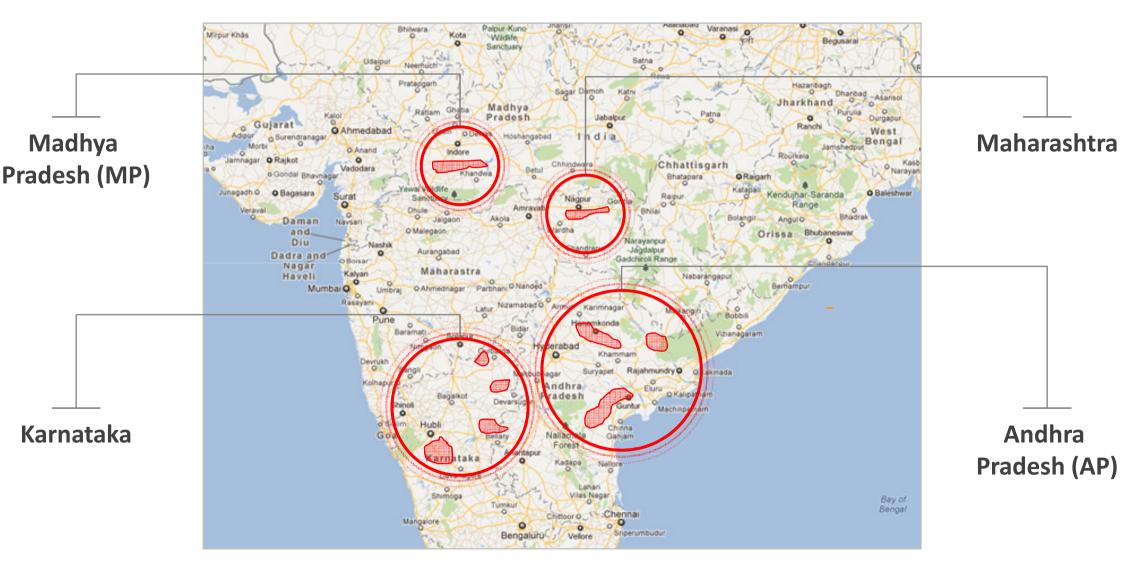
Its about 40%, only in US Dollar terms

- We will look at the Crop situation in the top three exporting/growing countries:
 - India
 - China &
 - Peru

ce: International Trade Centre (ITC)

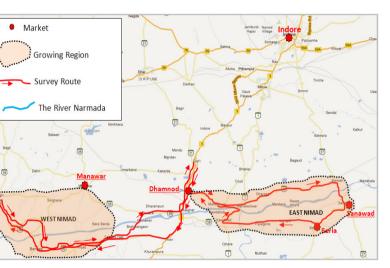


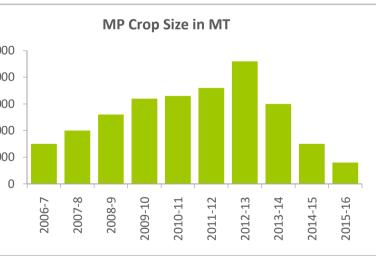
ajor Growing Areas in India



adhya Pradesh (MP)







- There are two major growing areas in MP, East and West
 Nimad regions
- Though the acreage went up during 2015-16 season, the crowas affected due to wide-spread and Severe Virus attack
- In fact the disease first made its appearance in a severe form during 2013-14 and began to spread during the subsequent seasons
 - In 2014-15 the crop had already decreased to about 80,000 MT, due to the same disease

The M.P Crop for 2013-4 is estimated to be about 45,000 MT, which is considered to be a poor crop. This is a shortfall of about 35,000 MT from the last year's crop



adhya Pradesh (Contd...)

se are pictures I showed during my presentation at the previous WSC on 19th Feb. 2014

otographs taken on 24th & 25th Oct. 2013 shows effect of water logging



Photographs taken on 24th & 25th Oct. 2013 sho effect of viral disease





adhya Pradesh: 2015 (Current Season)

though the planted area was higher than last year, the crop was badly affected





op Report – Karnataka

crease in Acreage by about 20% in all the areas

tremely Poor rainfall in Kundgol, Annigeri & Gadag regions

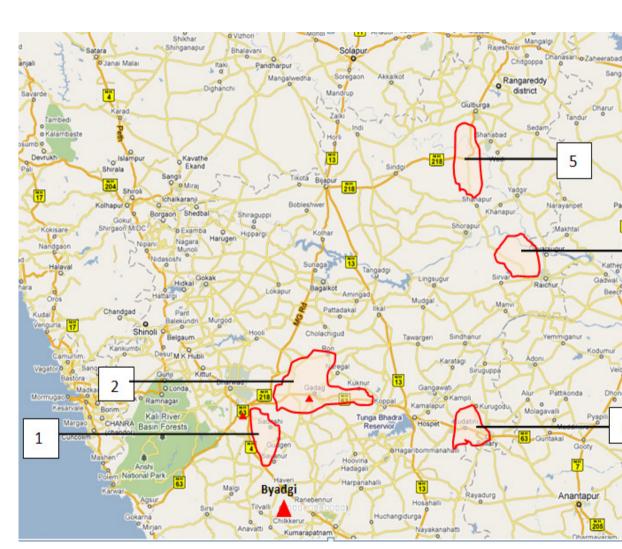
llary acreage increase and crop faring well so far; ater availability in March is a concern

ichur also seeing good crop so far and harvesting s commenced in Feb

le to an increase in the area and good performance in llary and Raichur area, the crop is expected to be about

% compared to the last year, which was a good crop

Production Estimates for Karnataka (in 1000 MT)											
Regions	Normal	2011-12	2012-13	2013-14	2014-15	2015-16					
Kundgol	12	16	4	14	15	10					
Annigeru/Gadag	21	36	9	35	38	27					
Bellary	58	65	55	57	65	60					
Raichur	47	51	45	38	38	35					
Gulburga	28	30	26	21	22	18					
Others	18	22	21	22	22	20					
Total	184	220	160	187	200	170					





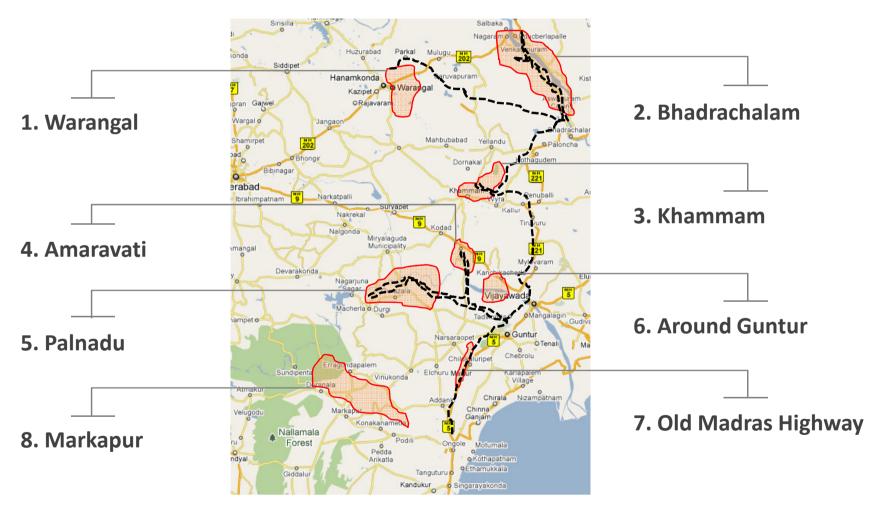






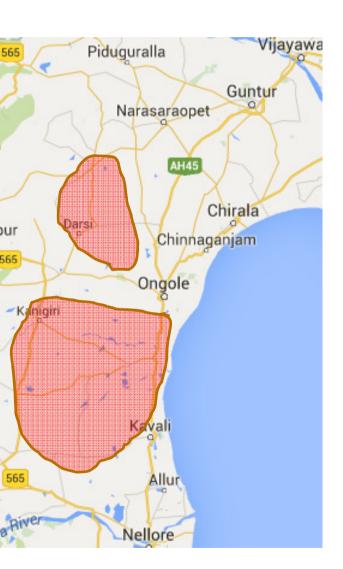
op Report – Andhra Pradesh & Telangana

Traditional Chilli Growing Areas in A.P/Telangana





& Telangana: New Growing Areas



- Several new areas have now become regular growing areas of Chilli
 - The region in Prakasham dist. Shown in the map is now a major belt; These are late sowing areas
 - A good proportion of acreage is for high pungent varieties
- This region received good rains twice during November & December when there was floods in Chennai
- As a result, the ground water availability is very good
- Farmers here are expecting normal to good crop
- Due to these areas, we can expect Prakasham district to provio much higher crop than the last two years



op Report – Andhra Pradesh

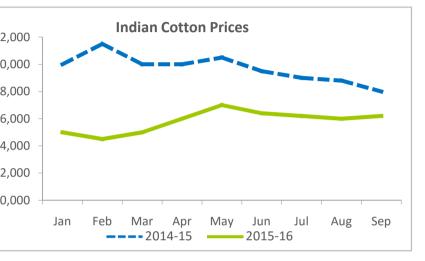
luction Estimate based on Crop Survey in Feb. 2016 (Yield in MT/Acre, Crop in MT)

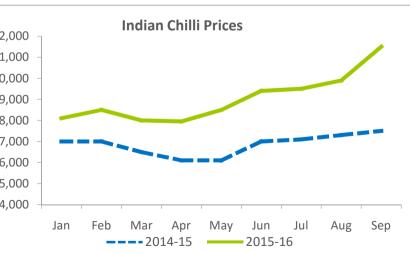
on in AP/Telangana	Yield 2014-15	Crop 2014-15	Change in Area 2014-15	Yield 2015-16	Crop 2015-16 Fore
angal	2.00	35,000	20%	1.50	31,500
drachalam	2.50	1,00,000	20%	2.50	1,20,000
mmam	2.50	40,000	20%	1.50	28,800
ıravati belt	2.50	48,000	35%	2.00	51,840
adu	2.00	1,30,000	25%	0.75	60,938
ounding Guntur	2.00	22,000	15%	1.50	19,800
Madras Road	2.00	35,000	30%	1.10	23,100
kapr & Dornala	2.00	1,20,000	20%	1.50	1,08,000
iool	2.50	30,000	10%	2.00	26,400
Areas in Prakasham	2.00	35,000	60%	2.50	70,000
ers	2.00	40,000	35%	1.50	40,500
		6.35.000			5.80.878

P & Telangana, the crop is expected to be less than 10% lower than the previous year's done from Oct. to Feb 2015-16



easons for Increase in Acreage of Chilli

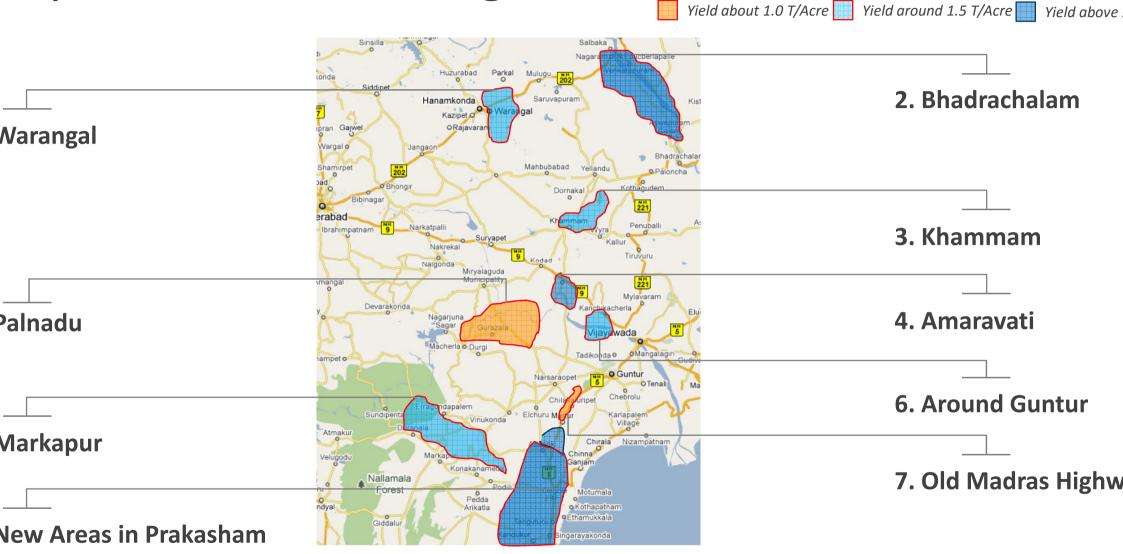




- In Andhra Pradesh and Telangana, Cotton is the main crop competing with Chilli
 - The Price of Cotton during of 2015 was lower than that during the previous year
 - In the costal regions (Prakasham/Nellore) Tobacco and Padd are the major other crops
 - The Tobacco Board limited the production of Tobacco to 120 kg down from 172 M kg last year due to gloomy outlook
 - Dry Monsoon also forced farmers to abandon Paddy cultivat this year
 - Above all, the high price prevailing for Chilli also attracted farmers to increase the planted area
- Many new farms and areas also came under Chilli Cultivation this year

nilly Yields: A.P & Telangana







ater Availability

ong all the areas in and Telangana, the rst hit in terms of or yields is the hadu belt

A few years back, this would have disastrous effect as this region contributed to over 70% of the crop of Andhra Pradesh

But, now Prakasham and other regions like
Bhadrachalam have also emerged as large producers of Chilly

In
Prakasham, Bhadracha
m and
Amaravati, availability
water was not a major
issue

n as late as 20th ruary, water was ilable in these regions ept in Palnadu and ts of Old Madras ad regions However, the water needed to be moved over long distances to get to the farms and farmers have incurred high costs on this count

In Khammam and
Warangal, the crop was
mostly dong
well, however the water
availability towards the
end of the season was a
question mark

In the case of Old Madras Road, the regi up to 30 km from Ong has poor water availability



d Madras road on 21st Feb 2016







Inadu (22nd Feb 2016)- The worst hit



thenapally – Karempudi













ew Areas in Prakasham doing well (20th Feb 2016)



e late rains during early December, benefited this region



naravati Belt Feb. 23rd 2016: Doing well

etween Amaravati and Satenapalli, majority of fields are doing well, water is available even now











ater being moved to the farm

Long pipelines are used to carry water to the fields by farmers (Kandakuru, Prakasham); Cost of cultivation this year is higher at about ₹ 1.25 L per acre here



nderground Water available



Pumping water from River bed in Palnadu area





mping of Water over a long distance

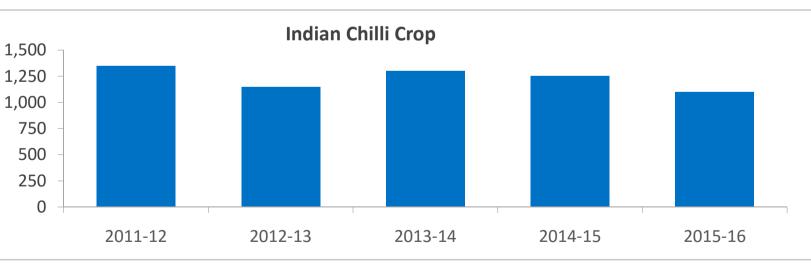
High Market price has encouraged farmers to make arrangement to get water to the farms, all over AP





dian chilly Crop Production Estimate

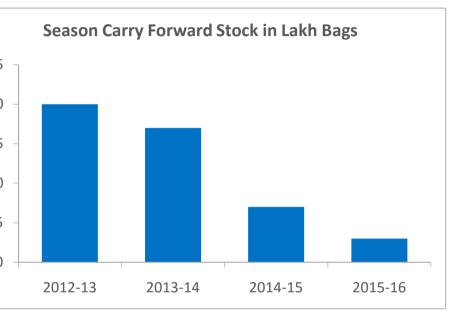
:es	2011-12	2012-13	2013-14	2014-15	2015-16
	175	225	150	80	45
ataka	220	160	187	200	170
k Telangana	663	465	600	635	581
arashtra	50	48	50	50	40
ers	256	290	305	293	295
I	1,334	1,188	1,292	1,258	1,131



The chilli crop for 2015-16 India is expected to be shown by 10% compared to the previous period's production



illi Stocks in Growing Regions



Center	No. of Cold Storages	Estimates bags new crop per cold storage	Total bags	Quantity in N 36 kg per b
Warangal	14	15,000	210000	7,560
Khammam	20	10,000	200000	7,200
Palnadu	18	12,000	216000	7,776
Surrounding Guntur	102	18,000	1836000	66,096
Old Madras Road	11	12,000	132000	4,752
Prakasham	20	3,500	70000	2,520
Others	10	5,000	50000	1,800
Total	195		2,714,000	97,704

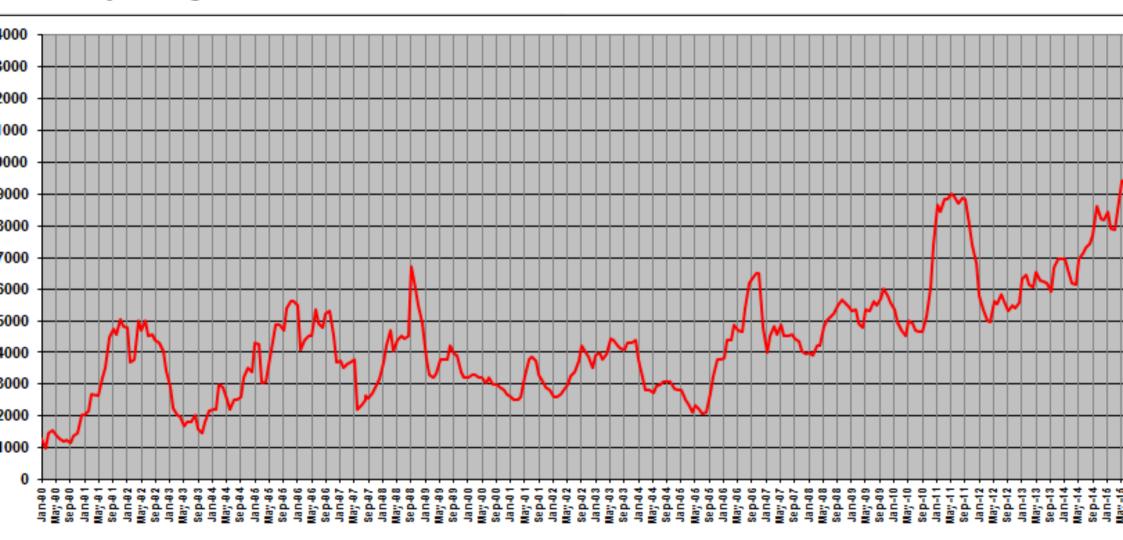
ue to the failure of the MP crop last year, there was a good demand for the material and the carry forward stock was lower ne situation prevailed even during this year leading to further lowering of the stocks

is estimated that a total of 26 Lakh bags of the new crop has been stored in the Cold Storages by the end of Feb. 2016 lost of the stock is held by traders or Grinders and very little by Farmers

verall, the current stock position is comparable to that at the same time last year



onthly Avg. Price of S4 since 1990





dian Chilly Crop: Summary

1P Crop has been a near washout

arnataka is affected mainly due to the poor performance of the traditional rain-fed areas

andhra Pradesh, The area has increased considerably. This added to the fact that new areas has een doing well absorbs the poor performance of the Palnadu belt to a major extent

P Crop may be **delayed by a month** due to delayed planting and also due to later areas erforming **better**

ar lower Carry forward stock in Feb 2016, compared to previous years

owever rapid movement of stocks in the new season is observed

In estimated shortfall of not more than 9 to 10 % over last year; New areas still not fu dentified in A.P and Karnataka

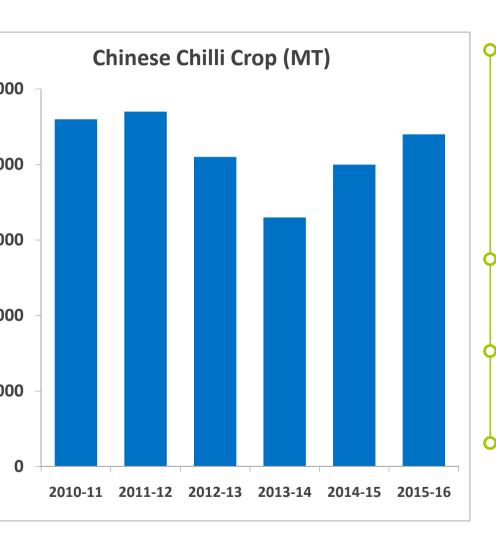


illi/Paprika Growing Regions in China





inese Crop Report



- Low pungent and medium pungent chillies are cultivated in the eastern provinces of China, Heilongiang, Jilin, Hebei, Shandong, Inne Mongolia, Henan are the main chilly growing provinces
 - Yidu and Tian Ying are the two important variet grown in China
 - This year the acreage of Chilli increased by nea 20% as the domestic demand has been increas
 - This year the acreage of Chilli increased by nea 20% as the domestic demand has been increas



inese Chilli: Photographs taken in Oct. 2015

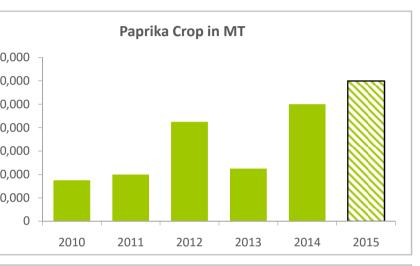


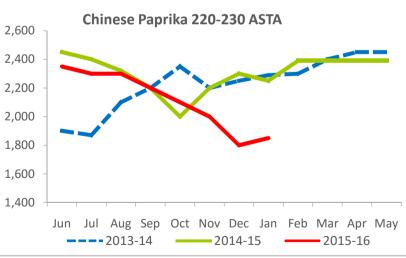












- During Last year, the prices shot up during the month of Dec 2014 and kept increasing till March 2015
 - This was because of very good domestic demand from Extractors and Grinders
 - The carry forward stock is estimated to be about 2000 MT, nearly all of this being of poor colour value
 - The area of the crop this year, due to this, has increased by over 20%
 - Yields were affected due to prolonged hot conditions during July 2015 and this lead to dropping of flowers
 - Thereafter, however there was no undue adverse climatic conditions and the crop fared very well
- The Arrivals happen in Oct Dec



prika arrivals Korla Region October 2015

Visit to Korla region confirmed the very good Paprika crop





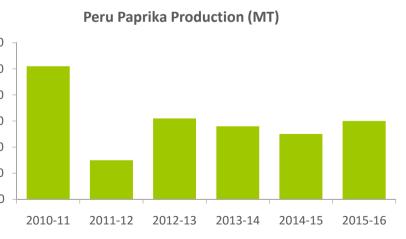




prika: Peru





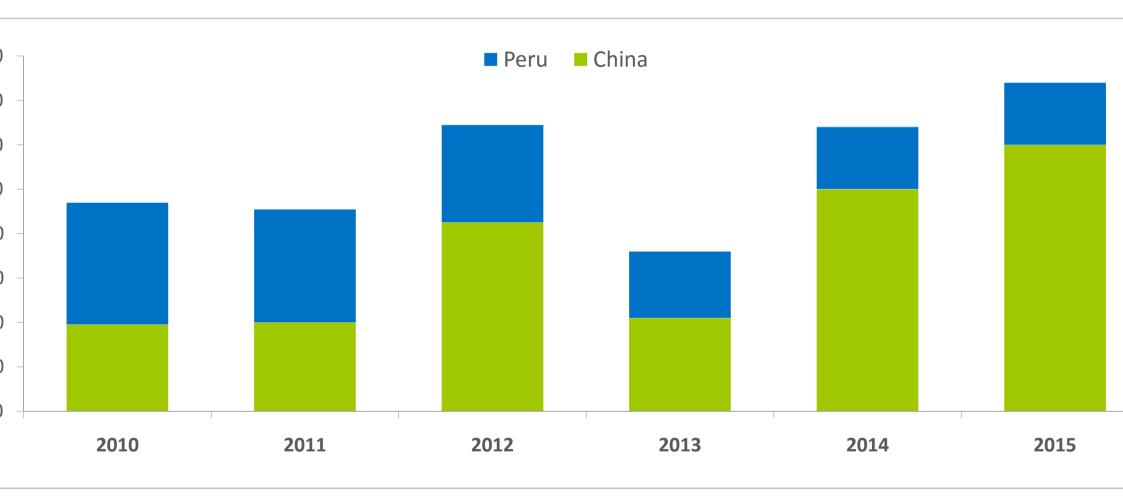


- Peru's Paprika production was affected mainly due to competition to Cheaper Paprika from China and also due to the recession in Spain, which is a main market for Peruvian Paprika.
 - It was also affected as the Peruvian Paprika failed to meet EU regulations and lost market to China.
- However efforts to prop up production by local Exporters seems to have worked to some extent with acreage going up by about 1,500 2,000 HA mainly in Barranca, in Lima.
- Overall, Peru is expected to produce about 30,000 MT of Paprika in current season.

	Planting															Н	arves	ting					
		F	М	Α	М	J	J	Α	S	0	N	D		J	F	М	Α	М	J	J	Α	S	0
Piura													Piura										
Lambayeque													Lambayeque										
La Liberatad													La Liberatad										
Ancash													Ancash										
Lima													Lima										
Ica													Ica										
Arequipa													Arequipa										



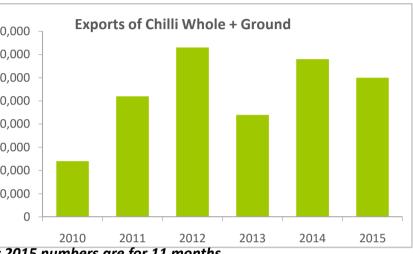
oduction of Paprika



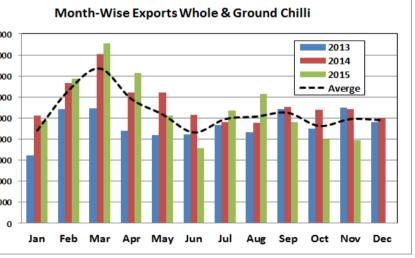
MT

ports From India





2015 numbers are for 11 months



e: ITC Statistics

- The Exports for 2015 is expected to be about 3,15,000 MT which is marginally lower than the Exports of 2014
 - During 2016, we should expect the exports to remain at the same levels or lower due to higher prices and good Crop in China
 - Although the Rupee has depreciated against the US\$, the pr have increased much more compared to the previous year
 - Overall, there are no factors that point out to an increase in Exports during 2016
 - In Fact, Exports could decline during 2016



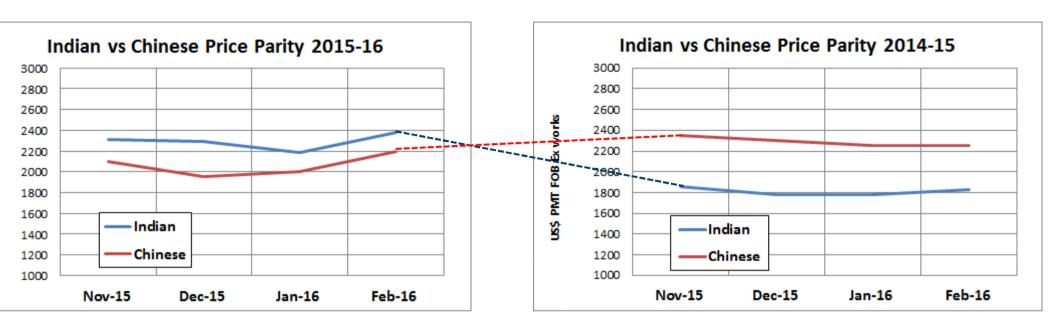
ports of Chilly and Chilly Products from India in 1,000 MT

	2010	2011	2012	2013	2014	2015
al	119	260	369	218	337	302
gladesh	11	13	22	21	27	7
anka	15	46	42	35	48	45
าล	3	7	18	2	3	2
onesia	5	13	15	14	18	18
aysia	34	42	61	29	32	32
istan	9	20	19	0	10	1
	11	48	35	18	23	23
	3	5	5	3	4	3
nam	0	0	0	20	53	62
iland	2	17	36	36	61	56
ers	20	46	102	33	44	40

115 quantity is for 11 months only (Jan – Nov)



ports could be lower for 2016 (Quantity)



Najor quantities exported are High Heat varieties

fact, acreage of high heat varieties like Tejaswani has increased specially in the new areas ejaswni has not suffered a major setback as is seems to be more resistant to the "Virus" disease there is no price parity for imports...Current prices are too high for Many importers to buy large volumes this is in spite of the depreciating Rupee; Currencies of most importing countries have depreciated against the USS





Indian Crop is lower n the previous year's about 10%, while the nese Crop is higher 20% The Trade became aware of the problem with the M.P crop as early as August 2015; This turned the sentiment bullish

The market has already corrected for these factors had has moved up from a level of about ₹80.00 per kg to ₹125 per kg by January 2015, a jump of over 50%

The major crop in AP in yet to arrive with late sowing as well as a lar portion of arrivals from Prakasham and new areas still expected

Many areas we see t picking is going on he first harvest is ng dried

We should see good arrivals to continue during March and April this year

Exports during 2016 could be lower by about 30000 MT; Teja would have better availability to exporters

There is no need to parand go for large volume coverage; better to war and cover steadily durathe season



THANK YOU