

## Capacity Development: Field day report

**Activity title:** Promoting cactus (*Opuntia ficus-indica*) as drought resilient feed resource under different agro-ecological production systems across India. Project 3: sub project 2

**Action site:** Bhuj, Gujarat (India)

**Sub activity:** Introduction of Cactus (*Opuntia ficus-indica*) as a multi-purpose

**Source of funding:** ICAR – W3/Bilateral

**Activity leader:** Dr. Mounir Louhaichi

**CAZRI focal Point:** Dr. Devi Dayal

**Key national partner:** Central Arid Zone Research Institute ( CAZRI), Regional Research Station Kukma, , Bhuj, Gujarat

**Objective:** Increase cactus awareness, dissemination and adoption for improved drought resilience, and to enhance capacity building of all partners.

**Target audience:** Smallholder farmers,livestock keepersand extension agents

**Activity mapped to CRP:** CGIAR Research Program on Livestock

**Lead Center:** The International Livestock Research Institute (ILRI)

**Flagship:** Feed and Forage

**Date : 05 April 2018**

**Location : Village Kotda chakar, Bhuj,India**

10:30AMto11:00AM	<b>Welcomeand Introduction</b>  Mr.Hargovind Kunpara
11:00AMto11:30AM	<b>Field visit—Cactus plantation and use demonstration</b>  Cactus plantation  Cactus use for feed
11:30 AM to12:30PM	<b>Discussion</b>  Discussion about the importance of cactus, practices in cactus plantations, cactus use as a feed crop, cactus as a tool to generate income. Discussion with Farmers, ICARDA, and CAZRI staff Dr. Devi Dayal Dr. Sawsan Hassan Dr. Ramnivas Mr. M Suresh Kumar
12:30PM to01:00AM	<b>Lunch</b>
01:00PMto1:15PM	<b>WrapUp</b>

## Promoting cactus (*Opuntia ficus-indica*) as drought resilient feed resource

### Minutes

On 05<sup>th</sup> April, a Cactus Field Day was organized on the farmers field of Mr Girraj Singh BalwantSingh Jadeja Farm, Jambudi where about 60 farmers including large numbers of farm women, who either have grown this cactus on their farm or are interested to grow on their farm as fodder crop, participated in the meeting. Mr Hargovind Kunpara, CAZRI welcomed the farmers and elaborated the importance of Cactus as fodder crop. He also told that besides fodder crop, this cactus has many uses as fruit crop, medicinal crop and as vegetable crop. Dr Devi Dayal, Head, CAZRI discussed about the importance of Cactus as fodder crop for Kachchh region. This cactus can be planted through cladodes on even highly degraded soil with very less amount of water. Cactus can be harvested as fodder very easily by braking its cladode from stem. After chopping the cladod, it can be fed directly to cow, buffalo, sheep, goat and camel. This fodder has very high amount of carbohydrate, mineral and water, but are deficient in protein. Therefore, protein supplement is required with cactus feeding. As the growth of cactus is very high during Feb. to June, its green fodder is available when there is acute shortage of the green fodder during summer season. A film showing cactus cultivation, its harvesting/chopping and how to feed animal was shown to the farmers. Dr Sawsan Hassan, ICARDA also discussed about cactus. She informed that this cactus is being evaluated at Jhansi, Bhopal and Kachhh, but its performance is very good at Kachchh. This cactus is very popular in South American countries both as fodder crop and as fruit crop. She was confident of adopting this cactus by Kachchh farmers. Dr Ram Niwas, CAZRI thanked all the farmers and Dr Sawsan, ICARDA for participating the meeting. Dr Traloki Singh, Shri Mohar Singh, Vipin Raj, Dr Sitaram, Bharat Virpuria and Mahendra Kumar assisted in arranging the programme.



Resources persons who participate in the event with the affiliation

Dr Devi Dayal(Head, CAZRI RRS Bhuj)  
Dr Sawasan Hasan (ICARDA)  
Mr M Sureshkumar (Scientist, CAZRI RRS Bhuj)  
Dr Triloki Singh (SMS, KVK – CAZRI Bhuj)  
Dr Ramnivas(SMS, KVK – CAZRI Bhuj)  
Mr.Hargovind Kulpara (T-5, CAZRI RRS Bhuj)  
Dr.Sitaram Jat (T4, KVK – CAZRI Bhuj)  
Mr.Vipin Raj (T3, KVK – CAZRI Bhuj)  
Mr.Bharat virpuriya (T1, KVK – CAZRI Bhuj)  
Mr.Mahendar Kumar (T1, KVK – CAZRI Bhuj)  
Mr.Moharsigh (T-9, CAZRI RRS Bhuj)

**Personal information including Name, Business Title, Email, Phones, Images and GPS points included in this report have been authorized in writing or verbally by the data subject.**

**Appendix 1:** List of Participants in the field day



**Promoting cactus (*Opuntia ficus-indica*) as drought resilient feed resource under different agro-ecological production systems across India**

**Bhuj April 6<sup>th</sup> 2018**

**Participants list**

#	NAME	SIGNATURE
1	इश्वरी तुलसीसाध माडावुी	
2	दमयंती जैन तुलसीसाध	J.T.M.
3	सुप्रिया जैन अश्विनासाध	सुप्रिया जैन अश्विनासाध, माडावुी
4	दमयंती जैन कुल्यालुसाध	दमयंती जैन कुल्यालुसाध
5	दमयंती जैन डोलिसाल	दमयंती जैन डोलिसाल
6	कमला जैन अरविंदसाध	कमला जैन अरविंद साध
7	प्रभा जैन नारलुसाध	प्रभा जैन नारलुसाध
8	मंगलती जैन तुलसीसाध	मंगलती जैन तुलसीसाध
9	डिर्मला जैन अश्वतलाल	डिर्मला जैन अश्वतलाल
10	तुलसी दाम माडावुी	Tulsi
11	दपराज सामलसाध	दपराज सामलसाध
12	मोहनसाध मोहन घोष	मोहनसाध मोहन घोष
13	श्यामल लाल श्यामलसाध	श्यामल लाल श्यामलसाध
14	शिवनीसाध रामलसाध	शिवनीसाध रामलसाध
15	नारलु रामलसाध	नारलु रामलसाध
16	मंगल रामलसाध	मंगल रामलसाध
17	श्यामलसाध	
18	श्यामलसाध	
19	श्यामलसाध	
20	MAHENDRAKUMAR	



**Promoting cactus (*Opuntia ficus-indica*) as drought resilient feed resource under different agro-ecological production systems across India**

**Bhuj April 5<sup>th</sup> 2018**

**Participants list**

#	NAME	SIGNATURE
21	Anil Terun	Terun b.
22	ગરુડ બીરાડીયા	ગરુડ બી
23	Khuresh Dimesh. J	Khuresh. D. J.
24	Rajesh V. Gachhani	Rajesh V.
25	Anil. M. Gachani	Anil M Gachani
26	Khodidar V. Gachani	K V G
27	Arvindshin G Jadeja	Arvindshin G Jadeja
28	પરમીષ્ટી ગણેશીયા, ડી. એન. ઈ. એન.	પરમીષ્ટી ગણેશીયા
29	મણી ગણેશીયા	મણી ગણેશીયા
30	ગણેશીયા	K. H. Jadeja
31	Jadeja Girirajsinh B	Jadeja
32	Jyoti Bhai D. Patel	Jyoti B.
33	મણી ગણેશીયા એ.	ગણેશીયા
34	chabiya Ananta N.	Ananta
35	રુણી રા. ગણેશીયા.	રુણી રા.
36	દેવર. રા. ગણેશીયા.	દેવર. રા.
37	ગણેશીયા	A. M. Jadeja
38	DIPEN DHOLU	Dholu.
39	Ramniwas	Ramniwas
40	Sita Ram Jat	Sita



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**Bhuj April 5<sup>th</sup> 2018**

**Participants list**

#	NAME	SIGNATURE
41	Hargovind Kanpuria	
42	M. Suresh Kumar	
43	Traloki Singh	
44	Bharat virpuria	
45	Ramesh Ahir	
46	સુભાષી રાજ રાણી	
47	રમેશ જીવણ રાણી	
48	મીનાક્ષી સુભાષી રાણી	
49	સુધા સુધા મંડલ	
50	સુભાષી સુભાષી રાણી	
51	દેવેશ પુલકામી મોદી	
52	ગરુડ સુભાષી રાણી	
53	સુભાષી સુભાષી રાણી	
54	સુભાષી સુભાષી રાણી	
55	સુભાષી સુભાષી રાણી	
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