

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

10:30AM to 11:00AM

Welcome and Introduction

Mr. Hargovind Kunpara

11:00AM to 11:30AM

Field visit—Cactus plantation and use demonstration

Cactus plantation

Cactus use for feed

11:30 AM to 12:30PM

Discussion

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 to 01:00AM

Lunch

01:00PM to 01:15PM

Wrap Up

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

Minutes

On 05th 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 6th 2018

Participants list

#	NAME	SIGNATURE
1	इश्वरी तुलसीसाध माडागुडी	
2	हमथेवी जैन तुलसीसाध	J.T.M.
3	समुद्रा जैन अश्विनीसाध	समुद्रा जैन अश्विनी, माडागुडी
4	हमथेवी जैन कुल्यालुसाध	हमथेवी जैन कुल्यालु, माडागुडी
5	हमथेवी जैन डोबिलास	हमथेवी जैन डोबिलास, माडागुडी
6	कमला जैन अरविंदसाध	कमला जैन अरविंद लोवडा
7	प्रभा जैन नारलुसाध	प्रभा जैन नारलुसाध, माडागुडी
8	मंगलती जैन तुलसीसाध	मंगलती जैन T. लीलागुडी
9	डिम्पल जैन अमृतलाल	डिम्पल जैन अमृतलाल, माडागुडी
10	तुलसी दास माडागुडी	Tulsi
11	हंपराज सामलगाव	हंपराज सामलगाव
12	मोहनसाध मोपल घोड	मोहनसाध मोपल घोड
13	अमृतलाल लालसाध	अमृतलाल लालसाध
14	सुनीलसाध रामलालसाध	सुनीलसाध रामलालसाध
15	नारलुसाध रामलालसाध	नारलुसाध रामलालसाध
16	मंगल साध रामलालसाध	मंगल साध रामलालसाध
17	जैकोबी सिंह	
18	सीताराम गोर	
19	लखनोबिन्दु साध	
20	MAHENDRA KUMAR	



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Bhuj April 5th 2018

Participants list

#	NAME	SIGNATURE
21	Anil Terun	Terun b.
22	ગરુડ બીરાડમ	ગરુડ બી
23	Khushi Dinesh. J.	Khushi D. J.
24	Rajesh V. Chelmani	Rajesh V.
25	Anil. M. Gadhvi	Anil M. Gadhvi
26	Khodidar V. Gadhvi	K V G
27	Arvindshin G Jadeja	Arvindshin G Jadeja
28	પરમીલ રામ દાસ	પરમીલ રામ દાસ
29	મણી રામ (13) રામ દાસ	મણી રામ (13) રામ દાસ
30	ગરુડ બીરાડમ	R. H. Jadeja
31	Jadeja Chiranjivi B	Jadeja
32	Jyoti Bhai D. Patel	Jyoti B.
33	મણી રામ દાસ	મણી રામ દાસ
34	Chabiyar Ananta N.	Ananta
35	રુણી રા. રામદાસ	રુણી રા.
36	દેવર. રા. પાપુભા	દેવર. રા.
37	અમીત જીડ	A. M. Jadeja
38	DIPEN DHOLU	Dholu
39	Ramniwas	Ramniwas
40	Sita Ram Jat	Sita Ram



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Bhuj April 5th 2018

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#	NAME	SIGNATURE
41	Hargovind Kanpuria	
42	M. Suresh Kumar	
43	Traloki Singh	
44	Bharat virpuria	
45	Ramesh Ahir	
46	મહેશ્વર સિંઘ દેવે	મહેશ્વર સિંઘ દેવે
47	રમેશ જીવનસિંઘ દેવે	Ramesh
48	મોહન મહેશ્વર દેવે	મોહન મહેશ્વર દેવે
49	મણી સિંઘ મજી	મણી
50	રત્નસિંઘ મહેશ્વર દેવે	Ratnasingh
51	દેવેશ પદ્મસિંઘ મજી	Devash
52	મહેશ્વર મહેશ્વર દેવે	મહેશ્વર દેવે
53	મહેશ્વર મહેશ્વર મજી	H.M. Patel
54	મહેશ્વર મહેશ્વર મજી	મહેશ્વર
55	મહેશ્વર મહેશ્વર મજી	Devash
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