

19.5. Agro-climatic Zones and Improved Varieties / Accessions of Tree Borne Oilseeds

Jatropha (*Jatropha curcas*)

Origin	:	Central America
Family	:	Euphorbiaceae
Species	:	Jatropha curcas
Vernacular name	:	Ratanjyot, Danti, Physic nut, Purging nut

Agroclimatic zone	Improved varieties/accessions
Eastern Himalayan Region	TFRI 01 (49.2%), MNJ-017(42.89 %), MNJ-017(42.89%), TCR- 1(32.87%)
West Coast Plains & Hills Region	PAT-1 (32.83%), ALP-1(32.10%)
Upper Gangetic Plains Region	Bhimari, (36.10%), CSJ-3 (31.48 %), CSJ-6 from Allahabad (30.58 %), collection from Kanpur CSJ-10 (31.75 %), CSJ-11 (31.36 %), CSJ-23 (31.72 %), CSJ-24 (33.10 %), Collections from Lalitpur i.e. CSJ-14 (33.30 %), CSJ-15 (31.53 %), CSJ-16 (31.87 %), CSJ-17 (31.38 %), CSJ-20 (32.57 %)
Central Plateau & Hills Region	NRCJ158, NRCJ159, NRCJ124, NRCJ144, NRCJ145Raksla, Panna; Chapara,Seoni; Kherwani Chhindwara-1;Gessani Shivpuri -2; Gessani Shivpuri -1
Southern Plateau & Hills Region	TNMC 22, TNMC 33, TNMC 19,5 hybrids of TNAU Coimbatore
Frost tolerant genotype for H.P.	Jwalaji Local , Haryana: JR-17

% Oil content in parenthesis

Pongamia (*Pongamia pinnata*)

Origin	:	Tropical and Temperate Asia
Family	:	Fabaceae
Species	:	Pongamia pinnata
Vernacular name	:	Karanj, Beech, Pongam, Honge, Kanji

Agroclimatic zone	Improved varieties/accessions
Eastern Plateaus & Hills Region	Baramunda , Mancheswar
Southern Plateau & Hills Region	KNR1-(29.31 %), KSR1(27.34%) and TCR-MD(27.2 %), TCR-CI-1, PT 1 and PT 2 of Dharwad
Central Plateau & Hills Region	NRCP-13(early flowering), NRCP 24, NRCP 26 (high yielding), IC 527952 (34%)
Eastern Plateaus & Hills Region	KKVPP-02(31.7%), KKVPP-17(42%)
Central Plateau & Hills Region	RPK 14
Western Plateau & Hills Region	RHRAK 50, RHRAK 44

% Oil content in parenthesis

Wild Apricot (*Prunus armeniaca*)

Origin	:	North-Eastern China
Family	:	Rosaceae
Species	:	Prunus Armeniaca
Vernacular name	:	Chuari, Zardalu, Khubani, Chola

Agroclimatic zone	Improved varieties/accessions
Western Himalayan Region & in some Eastern Himalayan Region	Shiple Early, Kaisha, New Castle, St. Ambrose and Royal and improved CPTS collection from Kumaun University

Cheura (*Diploknema butyracea*)

Origin	:	Nepal and adjoining parts of India
Family	:	Sapotaceae
Species	:	<i>Diploknema butyracea</i>
Vernacular name	:	Cheura, Phulware

Agroclimatic zone	Improved varieties/accessions
Western Himalayan Region	Improved CPTS collection from Kumaun University

Simarouba (*Simarouba glauca*)

Origin	:	Florida (United States)
Family	:	Simroubaceae
Species	:	<i>Simarouba glauca</i>
Vernacular name	:	Simarouba, Paradise tree, Aceituno, Bitterwood

Agroclimatic zone	Improved varieties/accessions
Southern Plateau & Hills Region	Palem-1, 2, 3,4
Central Plateau & Hills Region	HAUP-09, 13, 22, 28 ,
Western Plateau & Hills Region	PDKV SG-23, 25, 27, 30

Mahua (*Madhuca indica*)

Origin	:	Central and North India
Family	:	Sapotaceae
Species	:	<i>Madhuca indica</i>
Vernacular name	:	Mahua, Mahwa, Mowra, Illpai, Hippe, Yappa

Agroclimatic zone	Improved varieties/accessions
Central Plateau & Hills Region	NDMC9, NDMC 7, NDMC 10 & NDMC 3

Kokum (*Garcinia indica*)

Origin	:	Asia and Africa
Family	:	Clusioideae
Species	:	<i>Garcinia indica</i>
Vernacular name	:	Kokum, Mangosteen, Kokum butter tree, Aamsol

Agroclimatic zone	Improved varieties/accessions
West coast plains & Hills Region	IC342301, Konkon Amrita (S-8). Other common varieties : Plain kokum, Salted kokum, Lonawala kokum, Pakali kokum, Khane kokum, Kholā kokum

Source: Tree Borne Oilseeds for Oil and Biofuel: CAR-CARI, Jhansi