Appendix-IV
Crop Calendar of Major Crops

States/UTs	Period	Kharif Paddy	Rabi Paddy	Summer Paddy	Kharif Bajra	Rabi Bajra	Summer Bajra	Rabi Wheat
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Andhra Pradesh	Sowing	May-June	Nov-Dec	March-April	Jun-Jul	Nov (M)-Dec (M)	Jan	
	Harvesting	Nov-Dec	Mar-April	July-Aug.	Sept-Oct	Feb-March	April	
Assam	Sowing	Feb-March	June-July	Nov-Dec				Nov(B)-Dec(M)
	Harvesting	June-July	Nov-Dec	May-June				Mar(E)-Apr(E)
Bihar	Sowing	Jun-Aug.	Oct-Nov	Feb.-March				Nov(B)-Dec(E)
	Harvesting	Sep-Nov	April-May	July-Aug.				Mar(E)-Apr(E)
Goa	Sowing	May-June						
	Harvesting	Sept-Oct.						
Gujarat	Sowing	June-July			Jun(M)-Jul(M)	Oct (E)-Oct (M)	Feb(M)-Mar(E)	Nov(B)-Dec(B)
	Harvesting	Oct-Nov			Sep(M)-Oct(M)	Feb (E)-Feb (M)	May(M)-June(E)	Feb(E)-Mar(E)
Haryana	Sowing	June-July			Jul(E)-Jul(M)			Oct(E)-Jan(M)
	Harvesting	Sept-Oct.			Sep(E)-Sep(L)			Apr(B)-May(B)
Himachal Pradesh	Sowing	May-June						Oct(B)-Dec(E)
	Harvesting	October						Apr(M)-Jun(E)
Jammu & Kashmir	Sowing	April-May						Oct(B)-Dec(E)
	Harvesting	Sept-Oct.						Apr(E)-Jun(E)
Karnataka	Sowing	May-June	Sept-Oct.	Jan.-Feb.	Jun(L)-Jun(M)		Jan(E)-Jan (M)	Oct(M)-Nov(E)
	Harvesting	Sept-Oct.	Jan.-Feb	May-June	Sep(L)-Oct(M)		Apr(L)-May(E)	Feb(B)-Mar(E)
Kerala	Sowing	April-May	Sept-Oct.	Dec-Jan.				

(Contd.)

States/UTs	Period	Kharif Paddy	Rabi Paddy	Summer Paddy	Kharif Bajra	Rabi Bajra	Summer Bajra	Rabi Wheat
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Harvesting	Sept-Oct.	Dec-Jan.	March-April				
Madhya Pradesh	Sowing	June-July			Jul(E)-Jul(L)		Feb(L)-Mar(E)	Nov(B)-Dec(E)
	Harvesting	Oct-Nov			Oct(E)-Oct(L)		Jun(E)-June(M)	Feb(E)-Apr(M)
Maharashtra	Sowing	June-July			Jun(L)-Jul(E)		Jan(L)-Feb (E)	Nov(M)-Dec(E)
	Harvesting	Oct-Nov			Sep(L)-Oct(E)		May(E)-May(M)	Feb(B)-Mar(E)
Odisha	Sowing	May-June	June-July	Dec-Jan.				Oct-Nov
	Harvesting	Sept-Oct.	Nov-Dec	April-May				Mar-Apr
Punjab	Sowing	May-July			Jul(M)-Aug (E)			Oct(E)-Jan(M)
	Harvesting	Oct-Nov			Oct(M)-Oct(L)			Apr(M)-May(B)
Rajasthan	Sowing	June-July			Jun(L)-Jul(M)		Feb(M)-Mar(E)	Oct(E)-Dec(E)
	Harvesting	Oct-Nov			Sep(L)-Oct(M)		May(L)-June(M)	Mar(B)-April(E)
Tamil nadu	Sowing	May-June	Sept-Oct.	Jan.-Feb.	Jun(M)-Jul(M)	Sep (M)- Oct (M)	Feb (M)-Mar (M)	
	Harvesting	Sept-Oct.	Jan.-Feb	May-June	Sep(M)-Oct(M)	Dec (M)- Jan (M)	May (M)-June (M)	
Telangana	Sowing	June-July	Nov-Dec		March-April			
	Harvesting	Nov-Dec	Mar-April		July-Aug			
Uttar Pradesh	Sowing	June-July	Nov-Dec		Jul(E)-Jul(M)		Mar (E)-Mar (M)	Oct(E)-Jan(E)
	Harvesting	Oct-Nov	April-May		Oct(E)-Oct(M)		May (L)-June (E)	Mar(M)-Apr(E)
West Bengal	Sowing	April-July		Nov-Dec				Nov(B)-Dec(E)
	Harvesting	Aug-Nov		April-May				Mar(B)-Apr(B)
All India	Sowing	May-Aug	Dec-Jan.		Jun-Jul		Jan-Feb	Oct-Dec
	Harvesting	Sep-Jan	April-May		Sep-Nov		Apr-May	Feb-Jun

Appendix-IV *(contd.)*

States	Period	Early duration	Mid early duration	Medium duration	Long duration
		Arhar/Tur	Arhar/Tur	Arhar/Tur	Arhar/Tur
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	Sowing	June(M)-June (E)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov (M)- Nov (E)	Dec (M)-Dec(E)	Jan (B) - Jan (M)	-
Karnataka	Sowing	June(M)-June (E)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov (M)- Nov (E)	Dec (M)-Dec(E)	Jan (B) - Jan (M)	-
Maharashtra	Sowing	June(M)-June (E)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov (M)- Nov (E)	Dec (M)-Dec(E)	Jan (B) - Jan (M)	-
Rajasthan	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Nov (B)-Nov(M)	-	-	-
Uttar Pradesh	Sowing	June(B)-June (M)	-	-	Jul(B)-July(M)
	Harvesting	Nov.(B) – Nov(M)	-	-	April(B)-April(M)
Tamil Nadu	Sowing	June(B)-June (M)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov. (B)- Nov (M)	Dec (M)-Dec(E)	Jan (B) - Jan (M)	-
Gujarat	Sowing	June(M)-June (E)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov (M) - Nov(E)	Dec(M)-Dec (E)	Jan (B) - Jan (M)	-
Bihar	Sowing	June(B)-June (M)	-	-	Jul(B)-July(M)
	Harvesting	Nov.(B) – Nov(M)	-	-	April(M)-April(E)
Madhya Pradesh	Sowing	June(M)-June (E)	June (M)-July (M)	July (B)-July (M)	-
	Harvesting	Nov(M)-Nov (M)	Nov (E)-Dec(E)	Jan (B) - Jan (M)	-
Uttarakhand	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Nov. (M)- Nov(E)	-	-	-
Odisha	Sowing	June(B)-June (M)	-	June (E)-July (M)	-
	Harvesting	Nov. (M)- Nov(E)	-	Jan (B) - Jan (M)	-
Haryana	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Oct (M)- Oct(E)	-	-	-
Punjab	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Oct (M)- Oct(E)	-	-	-
Jharkhand	Sowing	June(B)-June (M)	-	June (E)-July (M)	July (B)- July (M)
	Harvesting	Nov (M)- Nov(E)	-	Jan (B) - Jan (M)	March(M)-April(B)
Chhattisgarh	Sowing	June(B)-June (M)	-	June (E)-July (M)	-
	Harvesting	Nov(B)-Nov (M)	-	Dec (E) - Jan (M)	-
Tripura	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Nov. (B)- Nov(M)	-	-	-
Nagaland	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Nov (B)- Nov(M)	-	-	-
All India	Sowing	June(B)-June (M)	June(M)-July (M)	July (B)- July (M)	July (B)- July (M)
	Harvesting	Nov (B)- Nov(M)	Nov(M)-Dec (E)	Dec (E)-Jan (M)	March(M)-April(E)

(Contd.)

Appendix-IV *(contd.)*

States/UTs	Period	Kharif Mungbean/ Urdbean	Rabi Mungbean/ Urdbean	Spring/Summer Mungbean/ Urdbean	Horsegram Kharif	Chickpea Rabi
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh	Sowing Harvesting	Jun(M) –Jul(E)	Oct(B)-Nov(B)	Jan(B).-Feb(B)		Nov(B)-Nov(E)
		Sept(M) –Oct(M)	Jan(B)-Feb(B)	Mar(B)-April(M)		Feb(M)-Mar(B)
Assam	Sowing Harvesting	July(B) – Aug(E)	Aug(B)-Sep(M).	Feb(E)-Mar(M)		Oct (M) – Nov (M)
		Sep(M)-Oct(E)	Nov(B) –Dec(M)	May(B)-May(M)		March (B)-March (E)
Bihar	Sowing Harvesting	July(B) – Aug(E)		Feb(E)-April(B)	Aug (M)-Aug(E)	Oct (M) – Nov (M)
		Sep(M)-Oct(E)		May(B)-June(M)	Oct(E)-Nov(B)	March (B)-March (E)
Chhattisgarh	Sowing Harvesting	Jun-Jul				Oct (B) – Oct (E)
		Sep-Sep				Feb (E) – March (E)
Gujarat	Sowing Harvesting	July(B) – Aug(E)				Oct (B) – Nov (M)
		Sep(M)-Oct(E)				Feb (M) – March (E)
Haryana	Sowing Harvesting	July(B) – Aug(E)		Feb(E)-April(B)		Oct (M) – Nov (E)
		Sep(M)-Oct(E)		May(B)-June(M)		March (M) – April (B)
Jharkhand	Sowing Harvesting	Jul(B)-Aug(E)		Feb(E)-April(B)		Oct(M) – Nov(M)
		Sep(M)-Oct(E)		May(B)-June(M)		Mar (M) – Apr (M)
Karnataka	Sowing Harvesting	Jun(M) –Jul(E)	Oct(B)-Nov(B)	Jan(B).-Feb(B)	Aug (E)	Oct (B) – Nov (E)
		Sept(M) –Oct(M)	Jan(B)-Feb(B)	Mar(B)-April(M)	Oct(M)-Nov(B)	Jan (M) – Feb (E)
Kerala	Sowing Harvesting	Jun(M) –Jul(E)		Jan(B).-Feb(B)		
		Sept(M) –Oct(M)		Mar(B)-April(M)		
Madhya Pradesh	Sowing Harvesting	Jun(M) –Jul(E)			August (E)	Oct (B) – Nov (B)
		Sept(M) –Oct(M)			Oct (E)	Feb (M) – March (E)
Maharashtra	Sowing Harvesting	Jun(M) –Jul(E)			Jul(M)	Sept (E) – Oct. (E)
		Sept(M) –Oct(M)			Oct(M)	Feb (M) – March (E)
Odisha	Sowing Harvesting	Jun(M) –Jul(E)	Oct(B)-Nov(B)	Jan(B).-Feb(B)		

(Contd.)

States/UTs	Period	Kharif Mungbean/ Urdbean	Rabi Mungbean/ Urdbean	Spring/Summer Mungbean/ Urdbean	Horsegram Kharif	Chickpea Rabi
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Sept(M) –Oct(M)	Jan(B)-Feb(B)	Mar(B)-April(M)		
Punjab	Sowing Harvesting	July(B) – Aug(E)		Feb(E)-Mar(M)		Oct. (M) – Nov. (E)
		Sep(M)-Oct(E)		May(B)-May(M)		March (M) - April (E)
Rajasthan	Sowing Harvesting	July(B) – Aug(E)			Jul (M)	Oct. (M) – Nov. (E)
		Sep(M)-Oct(E)			Oct (M)	March (M) - April (E)
Tripura	Sowing Harvesting	July(B) – Aug(E)		Feb(E)-April(B)		
		Sep(M)-Oct(E)		May(B)-June(M)		
Tamil Nadu	Sowing Harvesting	Jun(M) –Jul(E)	Oct(B)-Nov(B)	Feb(E)-April(B)	Oct(E)	
		Sept(M) –Oct(M)	Jan(B)-Feb(B)	May(B)-June(M)	Feb(B)	
Uttar Pradesh	Sowing Harvesting	July(B) – Aug(E)		Feb(E)-April(B)		Oct. (M) – Nov. (E)
		Sep(M)-Oct(E)		May(B)-June(M)		March (M) - April (E)
West Bengal	Sowing Harvesting	July(B) – Aug(E)		Feb(E)-April(B)		Oct. (M) – Nov. (E)
		Sep(M)-Oct(E)		May(B)-June(M)		March (B)- March (E)
Himachal Pradesh	Sowing Harvesting	July(B) – Aug(E)	-		Jun(M)-Jul(E)	
		Sep(M)-Oct(E)			Sep(E)-Oct(M)	
Manipur	Sowing Harvesting					Sept– Oct
						Mar - Apr
Meghalaya	Sowing Harvesting					Sep(B)-Oct(E)
						Dec(B)-Jan(E)

(Contd.)

Appendix-IV *(contd.)*

State	Period	Kharif-Soybean	Niger(Khaif)	Niger(Late Kharif)
(1)	(2)	(3)	(4)	(5)
Madhya Pradesh	Sowing	June(M)- July(M)	June(M) – July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(B)	Oct(L)- Nov(L)	Nov(B)-Dec(B)
Maharashtra	Sowing	June(M)- July(M)	June(B) – July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(B)	Oct(M)- Dec(E)	Nov(B)-Dec(B)
Rajasthan	Sowing	June(E)- July(M)		
	Harvesting	Sept(E)- Oct(B)		
Karnataka	Sowing	June(M) – July(B)	June(B) – July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(B)	Oct(M)- Nov(M)	Nov(B)-Dec(B)
Andhra Pradesh	Sowing	June(M)- July(M)	June(B) – July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(B)	Oct(L)- Nov(L)	Nov(B)-Dec(B)
Chhattisgarh	Sowing	June(M)- July(M)	June(M) – July(E)	
	Harvesting	Sept(E)- Oct(B)	Oct(L)- Nov(L)	
Uttar Pradesh	Sowing	June(E)- July(M)		
	Harvesting	Sept(E)- Oct(B)		
Manipur	Sowing	June- July		
	Harvesting	Sept(E)- Oct(B)		
Meghalaya	Sowing	June - July		
	Harvesting	Sept(E)- Oct(B)		
West Bengal	Sowing	June(M)- July(M)		
	Harvesting	Sept(E)- Oct(B)		
Odisha	Sowing	June(M)- July(M)	June(B) – July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(M)	Oct(L)- Nov(L)	Nov(B)-Dec(B)
Bihar/ Jharkhand	Sowing	June(M)- July(M)	June(B) – July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(M)	Oct(L)- Dec(M)	Nov(B)-Dec(B)
Gujarat	Sowing	June(M)- July(M)	June(B) – July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(M)	Oct(M)- Nov(L)	Nov(B)-Dec(B)

(Contd.)

Appendix-IV *(contd.)*

States/UTs	Period	Rabi Gram	Rabi Lentil	Rabi Pea
(1)	(2)	(3)	(4)	(5)
Andhra Pradesh	Sowing	Nov (B)-Nov (E)		
	Harvesting	Feb (M)-Mar (B)		
Assam	Sowing	Oct(M)- Nov(M)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(B)-Mar (E)	Mar(M)-Apr(M)	Mar(M)-April(M)
Bihar	Sowing	Oct(M)- Nov(M)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(B)-Mar (E)	Mar(M)-Apr(M)	Mar(M)-April(M)
Chhattisgarh	Sowing	Oct(M)- Oct(E)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Feb(E)-Mar (E)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
Goa	Sowing		Dec(B)-Jan(E)	
	Harvesting		Mar(B)-May(E)	
Jharkhand	Sowing Harvesting	Oct(M)- Nov(M)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
		Mar(B)-Mar(M)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
Rajasthan	Sowing Harvesting	Oct(M)- Nov(E)	Oct(E) – Nov(M)	Oct(E) – Nov(M)
		Mar(M)-Apr (E)	Mar(B)-Apr(M)	Mar(B)-Apr(M)
Tripura	Sowing Harvesting		Oct(E) – Nov(B)	Oct(E) – Nov(M)
			Mar(B)-Apr(M)	Mar(B)-Apr(M)
Gujarat	Sowing	Oct(B)-Nov(M)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Feb(M)-Mar(M)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
Haryana	Sowing	Oct(M)-Nov (E)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(M)-Apr(B)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
Karnataka	Sowing	Oct(B)-Nov(E)		

(Contd.)

	Harvesting	Jan(M)-Feb(E)		
Madhya Pradesh	Sowing	Oct(B)-Nov(B)	Oct(E) – Nov(M)	Oct(E) – Nov(M)
	Harvesting	Feb(M)-Mar (E)	Mar(B)-Apr(M)	Mar(B)-Apr(M)
Maharashtra	Sowing	Sep(E)-Oct(E)		
	Harvesting	Feb(M)-Mar(E)		
Manipur	Sowing	Sept-Oct		
	Harvesting	Mar-Apr		
Meghalaya	Sowing	Sep(B)-Oct(E)	Sep(B)-Oct(E)	
	Harvesting	Dec(B)-Jan(E)	Feb(B)-Mar (M)	
Punjab	Sowing	Oct(M)-Nov (E)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(M)-Apr(E)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
Uttar Pradesh	Sowing	Oct(M)-Nov(E)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(M)-Apr(E)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
West Bengal	Sowing	Oct(M)-Nov(E)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(B)-Mar(E)	Mar(M)-Apr(M)	Mar(M)-Apr(M)

(Contd.)

Appendix-IV *(contd.)*

States	Period	Groundnut Kharif	Rabi	Summer/ Spring
(1)	(2)	(3)	(4)	(5)
Andhra Pradesh	Sowing	Jun(B)-Aug(B)	Nov(M)-Jan(E)	
	Harvesting	Oct(B)-Nov(E)	Feb(E)-May(B)	
Assam	Sowing		JulyB)-Aug(E)	
	Harvesting		Nov(B)-Dec(E)	
Bihar	Sowing			
	Harvesting			
Chhattisgarh	Sowing	Jun(M)-Jul(E)		
	Harvesting	Sep(M)-Nov(B)		
Gujarat	Sowing	Jun(B)-July(E)		Jan(B)-Feb(E)
	Harvesting	Sep(B)-Nov(E)		Apr(B)May(E)
Haryana	Sowing			
	Harvesting			
Jammu & Kashmir	Sowing			
	Harvesting			
Jharakhand	Sowing	Jun(M)-Aug(B)		
	Harvesting	Oct(B)-Nov(E)		
Karnataka	Sowing	Jun(B)-Jul(E)	Nov(M)-Jan(E)	Dec(B)-Jan(E)
	Harvesting	Oct(B) – Nov(E)	Feb(E)-May(B)	Mar(B)-June(E)
Madhya Pradesh	Harvesting	Jun(M)-July(E) Oct(B)-Nov-(M)		
Maharashtra	Sowing	Jun(E)-Jul(E)		Jan(B)-Feb(E)
	Harvesting	Oct(B)-Nov(B)		Apr(B)May(E)
Odisha	Sowing	Jul(B)-Jul(E)	Sep(E)-Oct(B)	Jan(B)-Feb(E)
	Harvesting	Oct(E)-Nov(B)	Jan(B)	Apr(B)May(E)
Punjab	Sowing	May(B)-Jun(E)		Mar (B)- Mar (E)
	Harvesting	Oct(B)-Nov(E)		June(M)- June(E)
Manipur	Sowing	May(B)-Jun(E)		
	Harvesting	Oct(B)-Nov(E)		
Rajasthan	Sowing	Jun(B)-Jul(E)		Jan(M)-Feb(M)
	Harvesting	Oct(B)-Nov(E)		May (M) May(E)
Tamil Nadu	Sowing	Jun(B)-Jul(B)	Sep(E)-Oct(B)	Jan(B)-Feb(E)
	Harvesting	Sep(B)-Oct(B)	Jan(B)	Apr(B)-May(E)
Uttar Pradesh	Sowing	Jul(B)-Jul(E)		
	Harvesting	Oct(B)-Nov(B)		
West Bengal	Sowing	Jun(E)-Jul(B)	Oct(E)-Nov(B)	Feb(B)-Mar(E)
	Harvesting	Sep(E)-Oct(B)	Jan(E)-Mar(B)	May(B)-Jun(E)
Puducherry	Sowing	Jun(B)-Jul(E)	Dec(B)-Jan(E)	
	Harvesting	Sep(B)-Oct(E)	Mar(B)-Apr(E)	
All India	Sowing	Jun-Jul	Nov-Jan	Jan-Feb
	Harvesting	Oct-Nov	Feb-May	Apr-May

(Contd.)

Appendix-IV *(contd.)*

States	Period	Rabi Linseed
(1)	(2)	(3)
Assam	Sowing	Oct (B) - Nov (B)
	Harvesting	Mar (E) – Apr (L)
Andhra Pradesh	Sowing	Oct (B)- Oct (E)
	Harvesting	Feb (L)-Mar (L)
Bihar	Sowing	Oct (B)- Nov (B)
	Harvesting	Mar (E)- Apr (L)
Madhya Pradesh	Sowing	Oct (B)- Nov (M)
	Harvesting	Mar (E)-Mar (L)
Chhattisgarh	Sowing	Oct (B)- Nov (M)
	Harvesting	Mar (E)-Mar (L)
Maharashtra	Sowing	Oct (B)-Oct (E)
	Harvesting	Mar (E)-Mar (L)
Uttar Pradesh	Sowing	Oct (B) - Nov (B)
	Harvesting	Mar (E) – Apr (L)
Odisha	Sowing	Oct (B)-Oct (E)
	Harvesting	Mar (E)-Mar (L)
Jharkhand	Sowing	Oct (B) - Nov (B)
	Harvesting	Mar (E) – Apr (L)
Karnatka	Sowing	Oct (B)-Oct (E)
	Harvesting	Feb (E)-Mar M)
Nagaland	Sowing	Oct (B)- Nov (B)
	Harvesting	Mar (E) – Apr (L)
West Bengal	Sowing	Oct (B) - Nov (B)
	Harvesting	Mar (E) – Apr (M)
Rajasthan	Sowing	Oct (B)-Oct (E)
	Harvesting	Mar (E)-Mar(L)
Himachal Pradesh	Sowing	Oct (B)- Nov(B)
	Harvesting	Apr (L) –May (M)
Jammu & Kashmir	Sowing	Oct (B)- Nov (B)
	Harvesting	Apr (L) – May (M)
Punjab	Sowing	Oct (M) –Nov (M)
	Harvesting	Mar (L) – Apr (L)

(Contd.)

Appendix-IV *(contd.)*

States	Period	Sesame			
		Kharif	Pre Rabi	Rabi	Summer
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	Sowing	June (M)-July (M)	Aug(B)- Sept(M)		Jan(M)- Feb(E)
	Harvesting	Oct(M)- Nov(M)	Dec(E)- Jan(M)		Apr(M)-May(E)
Karnataka	Sowing	June (M)-July (M)			
	Harvesting	Oct(M)- Nov(M)			
Kerala	Sowing	June (M)-July (M)			Jan(M)-Feb(E)
	Harvesting	Oct(M)- Nov(M)			Apr(M)-May(E)
Madhya Pradesh	Sowing	June (M)-July (M)	Aug(B)- Sept(M)		
	Harvesting	Oct(M)- Nov(M)	Dec(E)- Jan(M)		
Maharashtra	Sowing	June (M)-July (M)	Aug(B)- Sept(M)		Jan(M)- Feb(E)
	Harvesting	Oct(M)- Nov(M)	Dec(E)- Jan(M)		Apr(M)-May(E)
Odisha	Sowing	June(B)-July(E)		Oct(B)-Nov(M)	Jan(M)- Feb(E)
	Harvesting	Oct(M)- Nov(M)		Feb(M)- Mar(E)	May(M)-June(M)
Rajasthan	Sowing	June(B)-July(E)			
	Harvesting	Oct(M)- Nov(M)			
Uttar Pradesh	Sowing	June(B)-July(E)			Feb.- March
	Harvesting	Oct(M)- Nov(M)			May(M)-Jun(M)
West Bengal	Sowing				Feb(M)-Mar(M)
	Harvesting				May(M)-June(M)
Gujarat	Sowing	June (M)-July (M)			Feb.- March
	Harvesting	Oct- Nov			May -June
Tamil Nadu	Sowing	June-July	Aug(B)- Sept(M)	Oct(B)-Nov(M)	Jan.- Feb
	Harvesting	Oct- Nov	Dec(E)- Jan(M)	Feb(M)- Mar(E)	May(M)-June(M)
Telangana	Sowing	June (M)-July (M)			
	Harvesting	Oct (L)- Nov (E)		Feb (L)- Mar (M)	Apr (E)-May (E)
All India	Sowing	Jun-July	Aug(B)- Sept(M)	Oct(B)-Nov(M)	Jan.- March
	Harvesting	Sep-Nov	Dec(E)- Jan(M)	Feb(M)- Mar(E)	May -June

(Contd.)

Appendix-IV *(contd.)*

States	Period	Sunflower		Summer/ Spring	Castor Kharif	Safflower Rabi
		Kharif	Rabi			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh	Sowing	Jun(B)-Aug(E)	Oct		Jun-Jul	October
	Harvesting	Sep - Nov	Jan		Dec-Jan	Feb
Assam	Sowing					
	Harvesting					
Bihar	Sowing		Dec-Jan			
	Harvesting		Apr-May			
Chhattisgarh	Sowing				Jul	
	Harvesting				Feb	
Gujarat	Sowing				Jul-Aug	
	Harvesting				Jan-Feb	
Haryana	Sowing			Feb-Mar	Jul-Aug	
	Harvesting			May	Jan-Feb	
Jammu & Kashmir	Sowing					
	Harvesting					
Jharkhand	Sowing					
	Harvesting					
Karnataka	Sowing	Jun(B)-Aug(E)	Oct	Dec-Jan	Jul-Aug	October
	Harvesting	Sep - Nov	Jan	Mar-Apr	Nov-Dec	Feb
Madhya Pradesh	Sowing					
	Harvesting					

(Contd.)

States	Period	Sunflower		Summer/ Spring	Castor Kharif	Safflower Rabi
		Kharif	Rabi			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Maharashtra	Sowing	Jul(B)-Aug(E)	Oct		Jun-Jul	Sep-Oct
	Harvesting	Oct - Nov	Jan		Dec-Jan	Jan-Feb
Odisha	Sowing				Jun-Jul	
	Harvesting				Dec-Jan	
Punjab	Sowing			Feb		
	Harvesting			Apr-May		
Rajastan	Sowing				Jul-Aug	
	Harvesting				Jan-Feb	
Tamil Nadu	Sowing	Jun(B)-Aug(E)	Oct		Jun-Jul	
	Harvesting	Sep - Nov	Jan		Dec-Jan	
Telangana	Sowing	Jun(B)-Aug(E)			Jun-Jul	October
	Harvesting	Sep - Nov			Dec-Jan	Feb
Uttar Pradesh	Sowing					
	Harvesting					
West Bengal	Sowing			Feb		
	Harvesting			Apr-May		
All India	Sowing	Jun-Aug	Oct	Feb	Jul-Aug	October
	Harvesting	Sep-Nov	Jan	Apr-May	Jan-Feb	Feb

(Contd.)

Appendix-IV*(contd.)*

State	Rapeseed-Mustard	Sowing Time	Harvesting Time
(1)	(2)	(3)	(4)
Andhra Pradesh	Mustard/ Banarasi rai	Nov (L)- Dec (E)	Feb-March
Assam	Toria/Mustard	Oct (M) - Dec (E)	Feb-March
Bihar	Mustard	Oct (E) - Oct (M)	Feb-March
	Toria	Sep (M)- Sep(L)	Jan-Feb
	Yellow Sarson	Oct (E)-Oct (M)	Feb-March
Chhattisgarh	Mustard	Oct (E)- Nov(M)	March
	Toria	Sep (L)	Dec-Jan
Delhi	Mustard	Oct (L)- Nov(E)	Feb-March
	Toria	Sep (L)	Jan
	Taramira	Nov(E)	March
Gujarat	Mustard	Oct(L)	Feb-March
	Yellow Sarson	Oct (L)	Feb
Haryana	Mustard	Oct (E)- Nov (E)	Feb-March
	Toria	Sep (E)	Dec-Jan
	Taramira	Nov(E)	March
Himachal Pradesh	Mustard	Oct (L)- Nov (L)	March-April
	Toria	Sep (E)-Sep (M)	Dec-Jan
	Brown Sarson	Oct (E) -Oct-(M)	April
	Gobhi Sarson	Sep (M) - Nov (L)	April
Jammu & Kasmir	Mustard	Oct(M)- Nov (E)	March-April
	Brown sarson	Oct (E)-Oct (L)	April-May
Jharkhand	Mustard	Oct (L)	March
	Toria	Sept (M)-Sep (L)	Jan-Feb
	Yellow Sarson	Oct (E)	Feb-March
Karnataka	Mustard	Oct (E)-Oct (L)	Feb
Madhya Pradesh	Mustard	Sep (L)-Nov (L)	Feb-March
	Toria	Sep (E)-Sept (M)	Dec-Jan
Manipur	Mustard	Nov (E)-(Nov (L)	March
	Toria	Oct (E)	Feb-March
Maharashtra	Mustard	Oct (M)- Nov (M)	Feb-March
Odisha	Mustard	Oct (M)- Nov (M)	Feb-March
	Toria	Oct (E) -Oct-(M)	Feb
	Yellow Sarson	Oct (E)	Feb-March
Punjab	Mustard	Oct (M)- Nov (L)	March- April
	Toria	Sep (E)-Sept (M)	Dec-Jan
	Taramira	Oct (E)-Oct(L)	March
	Gobhi Sarson	Oct (M)- Nov (M)	March-April
	Karan rai	Oct (M)- Nov (L)	March-April
Rajasthan	Mustard	Sep (M) - Oct (L)	Feb-March
	Taramira	Sep (L)- Oct (M)	March
Uttarakhand	Mustard/ Karan rai	Oct (L)- Nov (L)	March
	Toria	Sep (L)	Dec-Jan
	Yellow Sarson	Oct (E)	March
Uttar Pradesh	Mustard	Oct (E)-Oct (L)	Feb-March
	Toria	Sep (E)-Sept (M)	Dec-Jan
	Yellow Sarson	Oct (E)-Oct(L)	Feb-March
West Bengal	Mustard	Oct (M)-Nov(L)	Feb-March
	Toria	Sep (L)- Nov (M)	Feb
	Yellow Sarson	Oct (M)- Nov (M)	Feb-March

(Contd.)

Appendix-IV *(contd.)*

States/UTs	Period	Kharif	Kharif	Rabi	Spring Maize
		Cotton	Maize	Maize	
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	Sowing	Jun(E)-Jul(E)	Jun(M)-Jul(M)	Oct(E)-Jan(M)	
	Harvesting	Dec(E)-Mar(M)	Sep(M)-Oct(E)	Feb(E)-May(B)	
Bihar	Sowing	July(B)	Jun(M)-Jul(B)	Nov(B)-Dec(E)	Feb(B)-Feb(E)
	Harvesting	Oct(M)-Nov(M)	Oct(M)-Nov(M)	Feb(B)-Mar(B)	May(B)-May(E)
Gujarat	Sowing	May(B)-May(E)	Jun(E)-Jul(B)		
	Harvesting	Oct(B)-Apr(E)	Sep(B)-Nov(B)		
Haryana	Sowing	Apr(B)-Apr(M)	Jul(B)-Jul(M)		
	Harvesting	Oct(M)-Nov(M)	Oct(M)-Oct(E)		
Himachal Pradesh	Sowing		May(M)-Jun(E)		
	Harvesting		Sep(M)-Oct(M)		
Jammu	Sowing		Jun(E)-Jul(E)		
	Harvesting		Oct(M)-Nov(B)		
Kashmir	Sowing		May(B)-May(E)		
	Harvesting		Oct(B)-Oct(E)		
Karnataka	Sowing		May(M)-Jun(E)	Oct(B)-Oct(E)	
	Harvesting		Sep(B)-Oct(E)	Feb(B)-Mar(E)	
Kerala	Sowing	Jun(B)-Octl(E)			
	Harvesting	Dec(B)-Mar(E)			
Madhya Pradesh	Sowing	Jun-Jul	Jun(M)-Jul(E)		
	Harvesting	Nov-Jan	Aug(M)-Nov(E)		
Maharashtra	Sowing	Jun-July	Jul(B)-Aug(E)		
	Harvesting	Nov-Jan	Oct(B)-Nov(E)		
Odisha	Sowing	Jun-July	Jun-Jul		
	Harvesting	Nov-Jan	Sep-Oct		
Punjab	Sowing	Apr(B)-Mar(E)	May(B)-Jun(E)		Feb(B)-Feb(E)
	Harvesting	Oct(B)-Dec(E)	Sep(B)-Oct(E)		May(B)-May(E)
Rajasthan	Sowing	Apr(B)-May(E)	Jun(E)-Jul(M)		
	Harvesting	Nov(B)-Dec(E)	Oct(B)-Nov(E)		
Uttar Pradesh	Sowing	Apr(B)-Jun(E)	Jun(M)-Jul(M)		Feb(B)-Feb(E)
	Harvesting	Sep(B)-Nov(E)	Sep(M)-Oct(M)		May(B)-May(E)
West Bengal	Sowing	Oct(B)-Nov(E)	May(E)-Jun(E)	Nov(B)-Nov(E)	Feb(B)-Feb(E)
	Harvesting	June(B)-Aug(E)	Sep(M)-Oct(M)	Mar(B)-Mar(E)	May(B)-May(E)
Tamil Nadu	Sowing	Aug-Sept	Jun(E)-Jul(M)	Sep(E)-Oct(E)	Jan(E) - Feb(E)
	Harvesting	Feb(B)-April(E)	Oct(M)-Oct(E)	Jan(B)-Jan(E)	May (B) - May (E)
All India	Sowing	Apr-Jul	May-Aug	Sep-Jan	Jan(E) - Feb(E)
	Harvesting	Sep-Dec	Sep-Nov	Jan-May	May (B) - May (E)

(Contd.)

Appendix-IV*(contd.)*

States/UTs	Period	Sugarcane		Jute Kharif
		Kharif	Rabi	
(1)	(2)	(3)	(4)	(5)
Andhra Pradesh	Sowing		Dec(E)-Jun(M)	
	Harvesting		Dec(E)-May(M)	
Assam	Sowing		Mar(B)-Apr(E)	
	Harvesting		Dec(B)-Jan(E)	
Bihar	Sowing	Oct(B)-Nov(E)	Feb(B)-Mar(E)	
	Harvesting	Oct(B)-Dec(E)	Nov(B)-Feb(E)	
Haryana	Sowing		Feb(M)-Mar(M)	
	Harvesting		Dec(M)-March(E)	
Karnataka	Sowing		Dec(B)-Mar(E)*	
	Harvesting		Aug(B)-May(E)	
Kerala	Sowing		Dec(B)-Jan(E)***	Jun(B)-Oct(E)
	Harvesting		Dec(B)-Jan(E)	Oct(B)-Jan(E)
Madhya Pradesh	Sowing	Oct(B)-Apr(E)		
	Harvesting	Oct(E)-Mar(E)		
Maharashtra	Sowing	Jul(B)-Aug(E)		
	Harvesting	Oct(B)-Nov(E)		
Manipur	Sowing			Feb-Mar
	Harvesting			Aug-Sep
Odisha	Sowing		Feb-May	May-Jun
	Harvesting		Nov-Feb	Aug-Sep
Punjab	Sowing		Feb(B)-Mar(E)	
	Harvesting		Nov(B)-Feb(E)	
Rajasthan	Sowing		Mar(B)-Apr(E)	
	Harvesting		Dec(B)-Mar(E)	
Tamil Nadu	Sowing	Jun(B)-Aug(E)	Dec(B)-Jan(E)***	
	Harvesting	May(B)-Aug(E)	Dec(B)-Jan(E)	
Tripura	Sowing		Feb-May	Mar-May
	Harvesting		Dec-Mar	Aug-Sep
West Bengal	Sowing	Oct(B)-Apr(E)		Mar(B)-May(E)
	Harvesting	Oct(B)-Mar(E)		Jul(B)-Aug(E)
All India	Sowing	Jun(B)-Oct(E)	Feb(B)-Aug(E)	Feb-Jun
	Harvesting	Oct(B)-Jan(E)	Aug(B)-Nov(E)	Aug-Oct
B: Beginning	E: Early	M: Middle	L : Late	

Source: Indian Council of Agricultural Research (Crop Science Division)
*=Annual; **Early Kharif; ***Early sugarcane

(Contd.)

Appendix-V

Harvesting Season of Major Fruits

State /Uts	Mango	Apple	Banana	Lime/Lemon	Grapes
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	April - may	*	round the year	Oct. - Dec.	March-April
Arunanchal Pradesh	*	Oct.	round the year	round the year	*
Assam	Jun. - Aug.	*	round the year	June - Sep.	*
Bihar	June - July	*	Sept. -Nov.	*	*
Chhattisgarh	April - June	*	Feb-March.&	March-April &	*
			July-Sep.	July-Aug.	
Delhi	*	*	*	*	
Goa	*	*	round the year	*	
Gujarat	May	*	Sept. -Nov.	Sep.-oct.	*
Haryana	July	*	*	Dec.	June
Himanchal Pradesh	July	Aug. - Sep.	July - Aug.	Nov.-Jan.	July
Jammu & Kashmir	July	Sep. - Oct.	*	Nov.-Dec.	June - July
Jharkhand	May - June	*	Sept. -Nov.	Sept. -Dec.	*
Karnataka	April - June	*	July-Nov.	July-Sep.	*
Kerala	Feb. - March	*	Aug.-Sept. &	*	*
			Nov.-Dec.		
Madhya Pradesh	May-June	*	July - Aug.	July-Sep.	March-April
Maharashtra	April - may	*	round the year	March-April	March & May
Manipur	*	*	August	Dec.	*
Meghalaya	*	*	June	*	*

(Contd.)

State /Uts	Mango	Apple	Banana	Lime/Lemon	Grapes
(1)	(2)	(3)	(4)	(5)	(6)
Mizoram	July	*	Feb	Aug.	Oct.
Nagaland	July	*	round the year	*	*
Odisha	April - June	*	Sep. to Dec.	Aug.-Sep.	*
Punjab	June	*	*	round the year	May-June
Rajasthan	June	*	*	Aug.	June
Sikkim	June	*	Sep.-Oct.	*	*
Tamil Nadu	May-June	*	round the year	Feb. - March	May & Nov.
Tripura	June	*	round the year	June - July	*
Uttar Pradesh	June	*	Aug.-Sep.	Dec.	June
Uttarakhand	June-Aug	July - Aug.	May-Aug.	May.-July &	*
				Nov.-Dec.	
West Bengal	June-July	*	Aug.-Sep.	Sep.	*
Andaman & Nicobar	Jan. - April	*	Jan.-March &	*	*
			Oct.-Dec.	*	
Chandigarh	*	*	*	*	*
D & N Haveli	May	*	Sep.-Nov.	*	*
Daman & Diu	May	*	Sep.-Nov.	*	*
Lakshadweep	*	*	round the year	*	*
Puducherry	June-July	*	Aug.	Jan.	*

* Information not available.
Source: Indian Horticulture Database -2014.

(Contd.)

Appendix-VI

Harvesting Season of Major Vegetables

State/UT	Potato	Onion	Tomato	Cabbage	Cauliflower
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	April - June	April & June	round the year	Nov. & Jan.	Nov. & Jan.
		Sep.-Nov.			
Arunanchal Pradesh	*	*	*	*	*
Assam	Dec.- Jan.	Dec. - Feb.	Dec.-Feb.	Jan.-Feb.	Nov. - Feb.
Bihar	Jan.-Feb.	March-April	Jan.-Feb.	Nov. - Feb.	Dec.-Feb.
Chhattisgarh	Jan. - Mar.	March-April	Aug.-Feb.	Aug.-Feb.	Aug.-Feb.
Delhi	*	*	*	*	*
Goa	*	*	*	*	*
Gujarat	Jan.	Feb.	Dec. - Mar.	Dec.-Feb.	Dec.-Feb.
Haryana	Feb.-Mar.	April & Dec.	April-Oct.	Jan.	Jan.
Himanchal Pradesh	May.-June &	May-June	May-Aug.	Sep.-Dec. &	Dec.-Feb.&
	Aug.-Nov.			Feb.	Aug.-Oct.
Jammu & Kashmir	April & July	May-June	April	Oct.-April	Oct. - April
Jharkhand	Dec.-Feb.	March. - April.	Feb.& Dec.	Nov. - Dec.	Oct. - Dec..
Karnataka	Feb.-March &	April - June &	May-July	round the year	round the year
	Sep.-Oct.	Sep.-Oct.			
Kerala	*	*	*	*	*
Madhya Pradesh	Feb. - March	March. - April.	Oct. & Dec.-Feb.	Jan.-Feb.	Jan.-Feb.
Maharashtra	Mar. - May.	April	round the year	Jan.-Feb.	*
Manipur	Dec.- Jan.	*	July-Aug.	July-Aug.	Oct. -Jan.

(Contd.)

State/UT	Potato	Onion	Tomato	Cabbage	Cauliflower
(1)	(2)	(3)	(4)	(5)	(6)
Meghalaya	April	Dec.	April	Aug.	Oct.
Mizoram	Sep.	March	Aug.	Dec.	*
Nagaland	Feb.	Oct.	*	Feb.	March
Odisha	Feb. - March	Feb. -April	Jan.-March	Dec. - Mar.	Nov. - Feb.
Punjab	Dec.- Jan.	April	May	Dec. - Mar.	Dec.-Jan.
Rajasthan	Jan.-Feb.	April & Nov.	Nov.Dec.	Dec.	Jan.
Sikkim	June -Aug.	Feb. - March	June-Sep.	June-Oct.	Nov. - March.
Tamil Nadu	round the year	Aug. & Nov.	round the year	May.& Dec.	Feb. & Dec.
Tripura	*	*	*	*	*
Uttar Pradesh	Mar. - April.	March	Feb.	Jan.	Jan.
Uttarakhand	July-Aug. &	May	Nov.-Jan.&	Nov.-Aug.	Nov. - Feb.&
	Oct.-Dec.		May-June		July-Aug.
West Bengal	March	April	Jan. - Feb.	Nov.-Feb.	Dec. - Jan.
Andaman & Nicobar	*	*	Oct.-March &	Nov.-Jan.	Nov. - Jan.
			June - July		
Chandigarh	*	*	*	*	*
D & N Haveli	Jan.	Feb.	Dec.-Feb.	Dec.- Feb.	Dec. - Feb.
Daman & Diu	Jan.	*	Dec.-Feb.	Dec.- Feb.	Dec. - Feb.
Lakshadweep	*	*	*	*	*
Puducherry	April & July	April & Nov.	*	*	*

Source: Indian Horticulture Database -2014.
* Information not available.

Appendix-VII

Seed Rate of sowing for important field crops

(Kg/Ha)

Crop	Variety Seed Rate	Hybrid Seed Rate
(1)	(2))	(3)
Cereals		
Rice	25-40	12-15 for normal planting 5 under SRI planting
Wheat	100	
Barley	100	
Sorghum	Grain Rabi 8-10; Grain Kharif 10	7.5
Pearl Millet	4-5	4-5
Maize	Normal field corn 18-20; Fodder 30-40	20
Ragi	10-12.5	10-12.5
Pulses		
Pigeon pea	Early duration 17-19 Medium duration 15-17; Long duration 12-15	
Chickpea(Large seeded)	75-100	
Chickpea Desi (small seeded)	65-75	
Chickpea Kabuli	100-120	
Mungbean	Kharif-20, Rabi 25-30, Summer 20-30	
Urdbean	Kharif-20, Rabi 25-30, Summer 20-30	
Fieldpea	80-100	
Lentil	50-60	
Rajmash	75-100	
Mothbean	15-18	
Kulthi	22-30	
Oilseeds		
Groundnut	140-160	
Rapeseed & M	3-5	3.5
Soybean	65-75	
Sunflower	5	5
Sesame	5	
Niger	5	
Safflower	7	
Linseed	30 for seed type 45 for dual purpose type	
Castor	5	5

(contd.)

Appendix-VII *(contd.)*

Crop	Variety Seed Rate	Hybrid Seed Rate
(1)	(2))	(3)
Forage crops		
Sorghum	25 in small seeded varieties; 40 in bold seeded varieties	
Maize	40-50	
Guar	20-30	
Pearl Millet	8-12	
Oats	80 (small), 100 (Bold)	
Berseem	20-25	
Gobhi Sarson	4	
Lucerne	15	
Fibre Crops		
Cotton	10-12	Bt. Cotton - 2.25 Non-Bt. Cotton 10
Jute	6 (olitorius), 7 (capsularis)	
Sunhemp	25	
Mesta	12 (Rosella), 15 (Kenaf)	
Sugar Crops		
Sugarcane	60 qtls. (40,000 sets of 3 buds in sub tropics) (20,000-25000 sets of 3 buds in tropics)	-

Source:- Indian Council of Agricultural Research (ICAR)