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FARRIINTA

Agaasimha Guud ee Mac-hadka Cilmi baadhista Xoolaha iyo Beeraha D.D.S.

Kordhinta wax soo saarka beeruhu waxa uu ku xidhanyahay kor u qaadidda helitaanka iyo isticmaalka aqoonta iyo dhaqan gelinta farsamooyinka beeraha ee casriga ah. Si haddaba loo xaqiijiyo hadafkani, ayaa waxaa loo aqoonsaday in uu ku dhaqanka xilli beereeyada kala duwan ee ku qotoma goobta iyo goorta habboon iyo dhinaca kale isticmaalka abuurka tayaysan iyo weliba adeegsiga farsamooyinka casriyaysan ee falashada dalaggu ay fure u yihiin kor u qaadidda wax soo saarka beeraha iyo guud ahaanba soo saaridda dalagga, taasi oo lagu gaadhi karo xaqiijinta higsiga dammaanadda cuntada.

Aqoobsiga xilli beereedka habboon, soo saaridda abuurka tayada leh iyo sare u qaadidda isticmaalka beeraleyda ee abuurka iyo dhaqan gelinta dhammaan farsamooyinka casriga ah ee beero qodashada ayaa ah tallaabooyinka ugu muhiimsan ee lagu xaqiijin karo gaadhidda yoolka la higsanayo ee ku wajahan xal u helidda baahida cunnada ee dadkeenna. Iyada oo taasi laga duulayo, ayaa Dawladda Itoobiya waxa ay aaqoonsatay in habka abuur soo saarista iyo isticmaalka xidhmada soo saaridda dalaggu ay yihiin meelaha ugu muhiimsan ee ay tahay in laga shaqeeyo, lana dejiyo ujeeddooyinka qaran ee soo saaridda adeegyadaasi.

Sidaasi daraaddeed, ayaa waxaa waajib ah soo saaridda dalagga guud ahaan iyo gaar ahaan abuurka xulkaahba in si fiican loo ogaado loona dhaqan geliyo xilliyada ugu habboon ee ay tahay in wax la beero, iyada oo aynu ognahay in uu dalag waliba leeyahay goob iyo goor ay beeristiisu ku habboontahay. Iyada oo arrin taasi muhimadda ay leedahay laga duulayo ayaa la diyaariyay Xilli brreed hagahan si uu wax soo saarkeennu u noqdo mid taabbagala.

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ARAR

Muddeeyaha xilliga beerista dalaggu (Crop calendar) waa hage inna siinaya macluumaad aynu ku gaadhno go'aanka xilliyada wax la beerayo, taasina waxa ka dhalanaya kor u qaadista wax soo saarka beero-qodatada deegaanka. Muddeeyuhu waxa uu ka koobanyahay macluumaad la xidhiidha xilliyada beeritaanka iyo goosashada dalagyada la qabsaday cimilada deegaanka.

Hagahani waxa uu ka taageerayaa beeraleyda iyo shaqaalaha fidinta beeraha ee deegaanka guud ahaan in ay qaataan go'aannada ku habboon ee ku saabsan dalagyada iyo xilliyada beerashada, iyada oo laga eegayo dhinaca cimila-beereedka. Waxa uu hagahani sidoo kale saldhig u yahay qorshaynta xaaladaha deg-degga ah ee dib-u-habaynta nidaamyada beeraha ka dib masiibooyinka dabiiciga ah.

Intaasi waxaa sii dheer in uu hagahani ku siinayo macluumaadka la xidhiidha dalagyada cunnada aadamuhu quuto iyo kuwa calafka xoolaha ee ugu muhiimsan, (kuwaasi oo lagu kala beero biyaha roobka iyo kuwa waraabka) labadaasi oo laga helo qaybo ka mid ah 11gobol iyo 93 degmo ee uu ka koobanyahay deegaanka Soomaalidu.

Muddeeyahani waxa kale oo la socda qayb si kooban u taabanaysa farsamooyinka casriga ah ee beero qodashada. Dalag walba oo ah kuwa ay inta badan dadka deegaanku beertaan isla markaana ay quutaan ayaa waxa loo sameeyay xidhmada soo saarista dalagga oo beeraleyda iyo shaqaalaha fidintaba u fududaynaysa jidkii ay u mari lahaayeen xirfadda ay hayaan ee beero qodashada.

Waxa loogu talo galay in dadka adeegsanaya muddeeyaha dalaggu ay xogaha ugu muhiimsan ee la xidhiidha falashada dalaggu ay halkan ka helaan iyaga oo aan meel kale wax u raadsannin isla markaana loogu soo gudbinayo hab uu fududyahay fahankiisu aadna u kooban isla markaana xanbaarsan macluumaad badan. Dadka ku hawllan tacabka beeraha ayaa si fudud uga wada heli doona xilliyada iyo hababka habboon ee ku aaddan falashada beeraha taasina waxa ay kor u qaadi doontaa wax soo saarka iyo dammaanadda cuntada ee shakhsiga, qoyska, tuulada, degmada, gobolka, deegaanka iyo qaranka intaba.

EREY BIXIN

Gu, Karan iyo Dayr - Waa magacyada xilli robaadyada degaanka. Dadka soomaalida ah ee deegaanka ku dhaqani siyaabo kala duwan ayay u adeegsadaan magacayada xilli roobaadka. Iyada oo taasi laga duulayo ayaa waxa aannu isku daynay in aannu isticmaallo magacyada laga yaqaanno gobollada intooda badan. Haddaba iyada oo ay meel waliba sida ay u taqaanno ay tahay haddana waxa muhiim ah in aynu halkan ku caddayno magaca iyo macnaha looga jeedo.

Gu - Waa xilli roobaad deegaanku wada leeyahay oo ka billawda dhammaadka bisha March iyo billawga bisha April.

Karan - Waa xilli roobaad ay helaan inta badan degmooyinka gobolka Faafan iyo meelaha kale ee la cimilada ah waxa uuna da'aa xilli gobollada intooda badan looga yaqaanno Xagaa. Xilli roobaadkan ayaa curta badhtamaha ilaa dhammaadkeeda bisha July.

Dayr - Waa xilli roobaad u gaar ah gobollada aynan karantu ka di'in waxa uuna billawdaa dhammaadka bisha September ilaa iyo billawga bisha October.

XOG KU SAABSAN ISTICMAALKA HAGAHA

Waxaa hagahani ku qeexan shaxo kala duwan, haddaba shaxda koobaad ayaa waxa ay inna tusaysaa xilliga ku habboon beerista iyo goynta dalagga, sidoo kalena kala duwanaanshaha xilli roobaadka ee gobollada ayaa ku cad. Shaxda labaad ayaa iyana ka hadlaysa xidhmada soo saaridda dalagga. Waxaa sidoo kale jira shax seddexaad oo u gaar ah qaar ka mid ah dalagyada calafka xoolaha taasi oo lagu muujinayo tilmaamaha iyo waxyaabaha xaddida bixitaankiisa.

Noocyo ka mid ah dalagyada qaarkood ayaa hagahani lagu muujiyay xidhmadooda soo saaridda, haddaba haddii ay jiraan noocyo kale oo isla dalaggaasi ah oo aan ahayn noocani halkan ku xusan ayaa waxaa soo saariddiisa loo isticmaali karaa xidhmada dalaggaasi ee ku cad buuggan.

Dhinaca kale gobollada aan shaxaha dalagyada qaarkood ku jirini waa gobollada aan si aad ah looga beerin dalaggaasi shaxda lagu qeexay, sidaasi darteed haddii ay beeraleyda goobahaasi deggani ay la qabsadaan beerista dalaggani waxa ay raacayaan gobollada kale ee ay isku cimilo-beereedka yihiin marka laga eego dhinaca xilli roobaadka (Gu, Karan iyo Dayr).

In kasta oo beerista dalagga qamadida ee degaankeenna uu yahay mid xilli dhow si baahsan looga billaabay banka ku hareeraysan Jigjiga iyo meelo ka mid ah gobolka Liibaan, ayaa waxaa muddo u dhexaysay (2019 – 2021) laga billaabay gobolka Shabeelle fulinta mashruuc tijaabo ah oo qamadi beerid ah taasi oo lagu guulaystay lana filayo in ay dhowaan beeraleydu si baahsan u beeri doonaan. Haddaba goorta ay arrintaasi hirgasho waxa la raaci doonaa xilliyada uu muddeeyahani u dhigay gobol walba.

HORDHAC

Wax soo saarka dalagyada cunnada ayaa muhiim u ah fayo qabka aadamaha, balse isbeddelka cilmilada degaanka ayaa waxa ay khatar wayn ku tahay wax soo saarka dalagga sababo la xidhiidha xaaladaha lama filaanka ah ee ka dhasha roob yaraanta taasi oo keenta ama sababta in uu hoos u dhac ku yimaado wax soo saarka isla markaana ay taasi caqabad ku noqoto dammaanad qaadka cuntada adduunka. Buuggan ayaa ka kooban laba qaybood oo waawayn oo ka kala hadlaya dalagyada ay dadku quutaan iyo kuwa ay xooluhu calfadaan.

Qaybta koowaad ee buggani ayaa waxa ay ka koobantahay Shan cutub oo lagaga hadlayo dalagyada aadamuhu quuto. Cutubka koowaad ayaa si faahfaahsan waxa loogaga hadlayaa dalagyada firileyda ee sida ballaadhan looga isticmaalo dalka iyo degaankaba iyo weliba kuwo aan si baahsan loo qodannin wakhtigan la joogo balse mustaqbal fiican yeelan kara. Dalagyadaasi ayaa waxa ka mid ah; Galleyda, Qamadida, Hadhuudhka, Heedda, Sarreenka, Bariiska iyo Dukhunka. Cutubka labaad ayaa isaguna soo bandhigaya dalagyada Saliidleyda oo ay ka mid yihiin Sisinta iyo Lawska. Halka Cutubka seddexaadna loogaga hadlayo dalagyada Digiraha sida Digirta, Faasuuliyada (haarikootka), Shumburada, Salbukada iyo Misirka. Waxaa sidoo kale Cutubka afraad lagu soo bandhigayaa dalagyada kala duwan ee Khudaarta sida Basasha, Tamaandhada, Basbaaska, Xabxabka, Kaabashka, Kaarootada iyo Salladhka. Gabagabadii Cutubka shanaad ayaa ka hadlaya Geed-midhoodka oo ay ka mid yihiin Liimaha, Maangada, Babayga, Muuska iyo Saytuunka.

Qaybta labaad ee hagahani ayaa innoo faahfaahinaysa Dalagyada Calafka xoolaha kuwaasi oo saldhig u ah kor u qaadidda cadka iyo caanaha xoolaha iyaga oo door laxaad leh ka qaata nafaqaynta xoolaaha si gaar ahna door muhiim ah ka qaata quudinta/calfinta xoolaha ee xilliyada abaaraha si looga hor tago daaq iyo calaf yaraan ku timaadda xoolaha taasina lagaga baaqsado hoos u dhac ku yimaadda wax soo saarkooda iyana ay saamayn taban ku yeelato dammaanadda cuntada. Haddaba qaybta labaad ee buuggani ayaa waxa ku hoos jira Cutubka lixaad kaasi oo si faahfaasan uga hadlaya dalgyada calafka xoolaha ee ay beeristooda la qabsadeen dadka deegaanku isla markaana ku habboon cimilada dhammaan gobolladeenna. Dalagyaadaasi calafka xoolaha ee aynu halkan ku soo bandhigayno ayaa waxa ka mid ah; Caws Sudaan, Caws Maroodi, Caws Lo'aad, Cawska Roodas, Cawska Baanikamka, Lablabka iyo Alfalfa.

QAYBTA KOOWAAD:
DALAGYADA ADAAMUHU QUUTO

CUTUBKA KOWAAD
DALAGYADA FIRILEYDA (CEREAL CROPS)

1.1. GALLEY (MAIZE) (Zea mays L.)

Geedka galleyda ayaa asalkiisu waxa uu ka soo jeedaa Badhtamaha Ameerika iyada oo ay soo gaadhsiiyeen ganacsato Boortaqiis ahi Galbeedka Afrika billawgii sannadihii 1500. Itoobiya waxa uu dalagga galleydu soo gaadhay sannadihii 1960 – 1970. Maantana galleydu waxa ay ka mid tahay cuntooyinka ugu muhiimsan ee dunida. Galleydu waa dalag ka baxa inta badan daafaha dunida isaga oo awood u leh u adkaysiga dhul aad u kala cimilo duwan. Dhinaca Itoobiya dalagga galleydu waxa uu ka baxaa laga billaabo dhulka oommanaha ah ee ay biyuhu ku yaryihhin ilaa dhulka ay ka da'aan roobab aad u xooggani iyo sidoo kale dhulka jooggiisu hooseeyo ilaa iyo meelaha uu jooggoodu sarreeyo marka loo eego badda (0 – 3000masl). Inta badan waddankeenna galleyda waxaa loo isticmaalaa cunto ahaan, gobollada ugu badan ee laga soo saaraana waa gobollada dhaqalahoodu hooseeyo kuwaasi oo ay dadku u isticmaalaan qaabab kala duwan oo ay ka mid yihiin, Shuuro/Jidhiidh/Soor, Canjeero, Boorash, Furin/Rooti, Canbuulo, Faracad iwm.

Shaxda 1aad. Muddeeyaha Xilliyada Beerista iyo Goynta Dalagga Galleyda

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
SITI iyo FAAFAN	**Galley**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 2aad. Muddeeyaha Xilliyada Beerista iyo Goynta Dalagga Galleyda

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
JERER, QORRAXAY, NOGOB, SHABEELLE, LIIBAAN, AFDHEER, DAAWA, ERER IYO DOOLLO	Gallay	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Galley (Maize) (*Zea mays L.*)

Nooca (Variety): Melkasa-2 (ZM-521)

Shaxda 3aad: Xidhmada Soo Saaridda Dalagga (Melkasa-2)

Tirsi	**Maaraynta Beerta**	
1	Dhulka uu la Qabsaday	Shabeelle, Afdheer, Liibaan, Banka Jigjiga iyo degaanka intiisa kale
	Baahida Roobka	600 – 1000mm/sannadkii
2	Xaddiga Abuurka (kg/ha)	25 – 30
3	Kala Fogaynta Dhirta	Labada sadar 75 cm, labada geedna 25 cm
4	Xadiga Urea (Kg/ha)	100kg/ha oo la isticmaalayo marka uu dhererka dalaggu gaadho lawga
5	Xadiga Dap (Kg/ha)	50kg/ha waxa loo isticmaali xilliga la beerayo dalagga
6	Qaabka Beeridda	Si toos ah ayaa dhulka loogu daadiyaa haddi sadar lagu beerayo ama la firdhinayo
7	Dhererka Godka Abuurka	5cm
8	Biilaynta	70 maalmood
9	Bislaadka	140 maalmood
10	Cimriga Kooxda	Waxa uu ka mid yahay kooxda cimrigeedu dhex-dhexaadka yahay

11	Midabka Abuurka	Caddaan
12	Dhererka Geedka	110 cm
13	Dhadhanka iyo Tayada	Aad u Wanaagsan
14	Falcelinta Cudurka	Waxa uu u adkaystaa cudurrada iyo cayayaanka
15	Maxsuulka (q/ha)	30

1.2. HADHUUDH (SORGHUM) (Sorghum bicolor L.)

Asalka dalagga hadhuudhku waa Woqooyiga Afrika, isaga oo haddana si ballaadhan looga beero goobaha dhul-badhaha iyo dhul-badhe xigeenka ah. Dherarka geedka ayaa gadhaa 4m halka dhumucdiisuna ay gadho 3 ilaa 4 mm. Hadhuudhku waa dalagga ugu adkaysiga badan marka laga fiiriyo dhinaca roob yaraanta waxa uuna leeyahay xidid dheer oo arrintaasi ka caawiya. Dalagga hadhuudhku waa mid ka mid ah midhaha ugu muhiimsan ee laga soo saaro Itoobiya.

Shaxda 4aad. Muddeeyaha Xilliyada Beerista iyo Goynta Dalagga Hadhuudhka

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	Galley	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 5aad. Muddeeyaha Xilliyada Beerista iyo Goynta Dalagga Hadhuudhka

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Shabeelle, Liibaan, Afdheer, Daawa, Erer iyo Doollo	Gallay	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Hadhuudh (Sorghum) (*Sorghum bicolor L.*)

Nooca (Variety: Teshale (3443-2-OP)

Shaxda 6aad: Xidhmada Soo Saaridda Dalagga (Teshale)

Tirsi	**Maaraynta Beerta**	
1	Dhulka uu la Qabsaday	Banka Jigjiga, Shabeelle, Afdheer, Liibaan, iyo degaanka intiisa kale
2	Baahida Roobka	600 – 1000mm/sannadkii ama waraab lagu caawiyo
3	Joogga Dhulka	500 – 1750 masl (inta mitir ee uu badda ka sarreeyo)
4	Xaddiga Abuurka (kg/ha)	15 – 20
5	Kala Fogaynta Dhirta	Labada sadar: 75cm iyo labada geed oo ah: 16cm
6	Bacrinta (kg/ha)	
7	Urea	100kg/ha oo loo kala qaybiyo laba: (2/3) xilliga gun dillaaca ayaa la adeegsan, halka qaybta labaadna (1/3) loo i isticmaalayo xilliga uu sabuulka soo saaro.
8	Dap	100Kg/ha waxa loo adeegsan goorta abuurka la beerayo
9	Qaabka Beeridda	Abuurka oo lagu daadiyo sadar ama in la saydho/firdhiyo
10	Dhererka Godka Abuurka	2 – 3cm
11	Sabuul bixinta	50 – 60 maalmood
12	Bislaadka	90 – 115 maalmood
13	Cimriga Kooxda	Waxa uu ku jiraa dalagyada degdegga u bislaada
14	Midabka Abuurka	Bunni
15	Dhererka Geedka	60cm
16	Dhadhanka iyo Tayada	Aad u wanaagsan
17	Falcelinta Cudurka	Waxa uu adkaysi u leeyahay cayayaanka iyo cudurrada
18	Maxsuulka (q/ha)	25

1.3. QAMADIGA FURINKA (BREAD WHEAT) (Triticum aestivum)

Itoobiya waa meelaha ugu badan ee laga soo saaro qamadiga waddammada saxaraha ka hooseeya ee Afrika. Qamadigu waa waxyaabaha ugu muhiimsan dalagyada firileyda ah ee dhulka buuraleyda ah ee Itoobiya, dhulkaasi oo khadadka u dhexeeya (6 and 16ºN 35 and 42E) kaasi oo badda ka sarreeya 1500 – 2800m. Sannad beereedkii 2016/17 dhulka la beeray ayaa waxa uu dhannaa 1,696,082.59 hektar iyada oo lagu beeray labada nooc ee qamadiga ah ee laga kala sameeyo furinka iyo baastada waxana ka soo go'ay maxsuul dhan 45,378,523.39 Kiintaal.

Shaxda 7aad: Muddeeyaha Beerista iyo Goynta Dalagga Qamadiga Furinka

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Faafan	Qamadi	Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 8aad: Muddeeyaha Beerista iyo Goynta Dalagga Qamadiga Furinka

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Liibaan	Qamadi	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Qamadida Furinka (Bread Wheat) (*Triticum aestvum L.*)

Nooca (Variety): Pavon 76

Shaxda 9aad: Xidhmada Soo Saaridda Dalagga (Pavon 76)

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Banka Jigjiga, degmooyinka Tulliguuleed, Awbarre, Haroorays, Shabeelley iyo degmooyin ka mid ah gobolka Liibaan iyo meelaha kale ee la cimilo beereedka ah.
2	Baahida Roobka	600 – 1000mm/sannadkii ama waraab lagu kabo
3	Xaddiga Abuurka (kg/ha)	125 – 150
4	Kala Fogaynta Dhirta	Labada sadar 30 cm, labada geedna 10 cm
5	Bacrinta (kg/ha)	

6	Urea	100kg/ha oo xaddi (2/3) loo isticmaali xilliga gundillaaca halka (1/3) loo adeegsanayo wakhtiga ubaxaynta geedka.stages, respectively
7	Dap	100kg/ha waxa loo isticmaali xilliga la beerayo dalagga
8	Qaabka Beeridda	Si toos ah ayaa dhulka loogu daadiyaa haddi sadar lagu beerayo ama la firdhinayo
9	Dhererka Godka Abuurka	2 – 3cm
10	Madaxaynta	45 – 50 maalmood
11	Bislaadka	75 – 90 maalmood
12	Cimriga Kooxda	Waxa uu ka mid yahay kooxda degdegga u bislaata
13	Midabka Abuurka	Huruud
14	Dhererka Geedka	58 cm
15	Dhadhanka iyo Tayada	Aad u Wanaagsan
16	Falcelinta Cudurka	Waxa uu u adkaystaa cudurrada iyo cayayaanka
17	Maxsuulka (q/ha)	28

1.4. HEEDDA (BARLEY) (Hordeum vulgare)

Sidii aynu horeba ugu soo sheegnay Qamdiga Itoobiya ayaa ah meelaha ugu badan ee laga soo saaro Heedda waddammada saxaraha ka hooseeya. Heedda iyo Qamadiga ayaa dabeecado badan wadaaga marka laga eego dhinaca cimilada waxa uuna ka mid yahay dalagyada firileyda ee ugu muhiimsan kana baxa dhulka buuraleyda ah ee Itoobiya dhulkaasi oo dhaca khadadka u dhaxeeya **(37° 53′17″–37° 53′19″E)** kaasi oo badda ka sarreeya 1800 – 3400m.

Shaxda 10aad: Muddeeyaha Beerist iyo Goynta Dalagyada Heedda

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Faafan	Heed	Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 11aad: Muddeeyaha Beerist iyo Goynta Dalagyada Heedda

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Liibaan	Heed	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Heedda (Barley) (*Hordeum vulgare)*

Shaxda 12aad: Xidhmada Soo Saaridda Dalagga Heedda

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Banka Jigjiga iyo degmooyin ka mid ah gobolka Liibaan
2	Baahida Roobka	500 – 700mm/sannadkii ama in waraab lagu kabo haddii xaddigaasi biyaha ah la waayo
3	Xaddiga Abuurka (kg/ha)	125
4	Kala Fogaynta Dhirta	Labada sadar 30 cm, labada geedna 10 cm
5	Bacrinta (kg/ha)	
5.1.	Urea	50 – 100kg/ha hadba baahida geedku sida ay tahay
5.2.	Dap	100kg/ha (kiiloogaraam hektarkiiba)
6	Qaabka Beeridda	Si toos ah ayaa dhulka loogu daadiyaa haddi sadar lagu beerayo ama la firdhinayo
7	Dhererka Godka Abuurka	2 – 3cm
8	Madaxaynta	77 maalmood
9	Bislaadka	137 maalmood
10	Midabka Abuurka	Midabbo kala duwan sida caddaan, huruud iyo kuwo kaleba
11	Dhererka Geedka	65 cm
12	Dhadhanka iyo Tayada	Aad u Wanaagsan
13	Falcelinta Cudurka	Waxa uu u adkaystaa cudurrada iyo cayayaanka
14	Maxsuulka (q/ha)	23

1.5. SARREENKA (Avena sativa)

Shaxda 13aad: Muddeeyaha Beerist iyo Goynta Dalagga Sarreenka

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Faafan	Sarreen	Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 14aad: Muddeeyaha Beerist iyo Goynta Dalagga Sarreenka

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Liibaan	Sarreen	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Shaxda 15aad. Xidhmada Soo Saaridda Dalagga Sarreenka

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Banka Jigjiga iyo meelaha ay isku cimilada yihiin
2	Baahida Roobka	Wax ka sarreeya 900mm/sannadkii
3	Xaddiga Abuurka (kg/ha)	150kg hektarkiiba
4	Kala Fogaynta Dhirta	Labada sadar 30 cm, labada geedna 10 cm
5	Bacrinta (kg/ha)	
5.1.	Urea	60kg/ha oo la isticmaalayo marka uu dhererka dalaggu gaadho lawga
5.2.	Dap	150kg/ha waxa loo isticmaali xilliga la beerayo dalagga
6	Qaabka Beeridda	Si toos ah ayaa dhulka loogu daadiyaa haddi sadar lagu beerayo ama la firdhinayo
7	Dhererka Godka Abuurka	5cm
8	Biilaynta	–
9	Bislaadka	150 maalmood
10	Cimriga Kooxda	Waxa uu ka mid yahay kooxda degdegga u bislaata
11	Midabka Abuurka	Caddaan
12	Dhererka Geedka	98 cm
13	Dhadhanka iyo Tayada	Aad u Wanaagsan
14	Falcelinta Cudurka	Waxa uu u adkaystaa cudurrada iyo cayayaanka
15	Maxsuulka (q/ha)	42

1.6. BARIIS (RICE) (Oryza sativa L.)

Dalagga Bariisku waa dalagyada ku cusub dalka Itoobiya isaga oo ay beeristiisu ku sinnayd laga soo billaabo 1970 GC waxa uuna ka mid yahay dalagyada firileyda ah ee laga beero qaybo ka mid ah waddanka. Dhulka laga beero dalagga Bariiska ayaa dhaca khadadka (13º19N and 37º03E) kaasi oo badda ka sarreeya 1815 masl, isaga oo dhinaca kalena si fiican ula qabsaday dhulka jooggiisu hooseeyo ee Webiyada Shabeelle, Gannaale, Weeb iyo Daawa inkasta oo aanu weli gaadhin heer si baahsan loo soo saaro.

Shaxda 16aad: Muddeeyaha Xilliyada Beerista iyo Goynta Dalagga Bariiska

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Shabeelle, Daawa, Liibaan Iyo Afdheer	Bariis	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw) (Upland)
		Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	August (Dhamm.)	September (Billaw) (Paddy)
		Beerista	Dayr	September(Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw) (Upland)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	January (Dhamm.)	February (Billaw) (Paddy)

Shaxda 17aad: Xidhmada Soo Saaridda Dalagga Bariiska

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Dooxooyinka afarta webi iyo meelaha kale ee la cimilo beereedka ah biyana leh
2	Baahida Roobka	Waraab joogto ah ayuu dalagga bariisku u baahanyahay
3	Xaddiga Abuurka (kg/ha)	60
4	Kala Fogaynta Dhirta	Labada sadar 20 cm, labada geedna 10 cm
5	Bacrinta (kg/ha)	
5.1.	Urea	150kg/ha oo 2/3 la isticmaalayo marka uu dalaggu gundillaac sameeyo, halka inta kale 1/3 la isticmaalayo ubax bixinta
5.2.	Dap	100kg/ha waxa loo isticmaali dalagga 14 cisho ka dib beerista
6	Qaabka Beeridda	Si toos ah ayaa dhulka loogu daadiyaa haddi sadar lagu beerayo ama la firdhinayo
7	Dhererka Godka Abuurka	3cm
8	Madaxaynta	60 – 69 maalmood
9	Bislaadka	Noocyada NERICA (85cisho) iyo noocyada (irrigated) ka ah (125) maalmood
10	Cimriga Kooxda	Waxa uu ka mid yahay kooxda cimrigeedu dhex-dhexaadka yahay
11	Midabka Abuurka	Caddaan
12	Dhererka Geedka	135 cm
13	Dhadhanka iyo Tayada	Aad u Wanaagsan
14	Falcelinta Cudurka	Waxa uu u adkaystaa cudurrada iyo cayayaanka
15	Maxsuulka (q/ha)	
15.1	Beeraha Cilmi-baadhista	(NERICA) waa (50) halka (Irrigaed) kana uu yahay (43)
15.2	Beeraleyda	(NERICA) waa (64) halka (Irrigaed) kana uu yahay (54)

1.7. DUKHUN (PEARL MILLET) (Pennisetum glaucum L.)

Dalagga Dukhunku waxa uu ka midyahay dalagyada firileyda ee ay falashadoodu ku habboontahay goobaha ay cimiladoodu diirrimaadka tahay. Dalagga Dukhunku waxa uu door wayn ka qaataa dammaanadda cuntada ee goobaha ay inta badan saameeyaan abaaruhu madama uu u adkeysto biyo yaraanta. Dukhunka ayaa laga beeraa dhulkasi oo dhaca khadadka u dhexeeya (06$^{\theta}$ 20′ 45″N and 335$^{\theta}$54′E) kaasi oo badda ka sarreeya masl.

Shaxda 18^{aad}. Muddeeyaha Xilliyada Beerista iyo Goynta Dalagga Dukhunka

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Faafan	Dukhun (Millets)	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	Sep. (Dhexda)	Sep. (Dhamm.)

Shaxda 19^{aad}. Xidhmada Soo Saaridda Dalagga Dukhunka

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Degmooyinka Harawa iyo Awbarre iyo dhulka qallalan ee la cimilada ah
2	Baahida Roobka	Waa dalag ku baxa roobka una baahan xaddi ku filan
3	Xaddiga Abuurka (kg/ha)	3 – 4
4	Kala Fogaynta Dhirta	Labada sadar 45 cm, labada geedna 10 – 15cm
5	Bacrinta (kg/ha)	
5.1.	Urea	100kg/ha oo loo kala qaybiyo laba: (2/3) xilliga gun dillaaca ayaa la adeegsan, halka qaybta labaadna (1/3) loo i isticmaalayo xilliga uu sabuulka soo saaro.
5.2.	Dap	100Kg/ha waxa loo adeegsan goorta abuurka la beerayo
6	Qaabka Beeridda	Si toos ah ayaa dhulka loogu daadiyaa haddi sadar lagu beerayo ama la firdhinayo
7	Dhererka Godka Abuurka	1.25 – 1.9cm
8	Madaxaynta	40 – 50 maalmood ka dib beerista
9	Bislaadka	75 – 85 maalmood ka dib beerista
10	Dhererka Geedka	0.5 – 4m
11	Dhadhanka iyo Tayada	Aad ayuu u wanaagsanyahay qaabab badanna waa loo isticmaalaa isla

		markaana nafaqooyin badan oo aadamaha faa'iido nafaqayneed u leh ayaa ku jira.
12	Maxsuulka (k/ha)	7 – 14 kiintaal hektarkiiba oo ay sal u yihiin nooca dalagga, carrada, cimilada iyo adeegga loo fidiyo dalagga muddada uu beeranyahay.

CUTUBKA LABAAD

DALAGYADA SALIIDDA (OIL CROPS)

1.8. SISIN (SESAME) (Sesamum indicum)

Sisintu waa dalag badanaa ka baxa meelaha hawada diirran leh inta badanna waxaa loogu beeraa dalag roobaad ahaan dhulka qallayl-xigeenka ah ee kulaalayaasha iyo kulaala-xigeennada. Itoobiya dalagga sisintu waxa uu ka baxaa woqooyiga iyo woqooyiga-galbeed ee dalka, inkasta oo ay soo saaridda Sisintu ka hoosayso heerkii la rabay haddana dhulka jooggiisu hooseeyo ee Webiyada dhex mara dhulka Soomaalida ayaa awood ballaadhan oo cimilo iyo biyaba u leh soo saaridda dalaggani. Dalaggan waxaa meelahaas laga beeraa bisha Juun ilaa iyo badhtamaha bisha Sibtembar waxaana la gooyaa bisha Oktoobar. Dalka Itoobiya waxaa ugu badan ee uu u usuuq geeyo caalamka ayay sisintu ka mid tahay. Noocyada sinsinta ee ka baxa Itoobiya ayaa waxaa ka mid ah noocyada loo yaqaanno Humera, Gondar iyo Wollega. Midhaha nooca Humera ayaa ah kan ugu muhiimsan ee uu dalku dibadda u dhoofiyo.

Shaxda 20aad. Muddeeyaha Xilliyada Beerista iyo Goynta Dalagga Sisinta

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Shabeelle, Liibaan, Afdheer, Faafan Iyo Daawa	Sisin	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Sisin (Sesame) (Sesamum indicum)

Nooca (Variety): Kelafo-74(BSC-003)

Shaxda 21aad. Xidhmada Soo Saaridda Dalagga Sisinta

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Dooxooyinka afarta webi, meelaha u cimilada dhaw iyo degaanka intiisa kale
2	Baahida Roobka	600 mm/sannadkii iyo wax ka sarreeya iyo waraab dheeraad ah haddii loo baahdo
3	Joogga Dhulka	500 – 1750masl (ka sarreeya heerka badda)
4	Xaddiga Abuurka	Sadar ku beeris 5 iyo saydhista oo ah 7

	(kg/ha)	
5	Kala Fogaynta Dhirta	Labada sadar 40cm iyo 10 cm oo la isu jirsiinayo labada geed
6	Bacrinta (kg/ha)	
6.1.	Urea	100kg/ha oo la isticmaalayo marka uu dhererka dalaggu gaadho lawga
6.2.	Dap	50kg/ha waxa loo isticmaali xilliga la beerayo dalagga
7	Qaabka Beeridda	Si toos ah ayaa dhulka loogu daadiyaa haddi sadar lagu beerayo ama la firdhinayo
8	Dhererka Godka Abuurka	2 – 3 cm
9	Soo saaridda abqada	45 – 50 maalmood
10	Bislaadka	80 – 85 maalmood
11	Cimriga Kooxda	Waxa uu ka mid yahay kooxda cimrigeedu degdegga yahay
12	Midabka Abuurka	Madaw
13	Dhererka Geedka	110cm
14	Dhadhanka iyo Tayada	Aad u Wanaagsan
15	Falcelinta Cudurka	Waxa uu u adkaystaa cudurrada iyo cayayaanka
16	Maxsuulka (q/ha)	
16.1	Beeraha Cilmi-baadhista	17
16.2	Beeraleyda	14

1.9. LAWS (GROUNDNUT/PEANUT) (Arachis hypogaea)

Dalagga Lawsku waa mid ka mid ah dalagyada sannadleyda ah waxa uuna u baahanyahay cimilo diirran iyo ilayska cadceedda oo ku filan si uu si fiican ugu baxo. Lawsku uma adkaysto qabawga/haamadayga wuuna dilaa waxa uuna u baahanyahay shan bilood oo hawo diirran ah. Lawsku waa dalag ku baxa roobka meelaha uu sida fiican uga da'o waxa uuna u baahanyahay roob xaddigiisu gaadhayo 1000mm iyo wax ka badan. Dhererka geedku waxa uu gaadhaa inta u dhexaysa 30 ilaa 50cm. Waxaa uu ku habboonyahay in laga beero dhulka carradiisu jilicsantahay ee ay isugu jirto noocyo badan si uu u helo noocyada nafaqada ee kala duwan kuna habboon habsami u koridda geedka iyo kor u qaadidda wax soo saarka iyo tayada midhahaba.

Shaxda 22aad: Muddeeyaha Xilliyada Baarista iyo Goynta Lawska

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Faafan	Laws	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Dalagga (Crop) Laws (GroundnutLPeanut)

Shaxda 23aad:Xidhmada Soo Saaridda Dalagga Lawska

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Gobolka Faafan, dhulka la cimilo beereedka ah iyo dooxooyinka afarta webi.
2	Baahida Roobka	1000mm/sannadkii iyo wax ka badan ama in waraab lagu kabo.
3	Xaddiga Abuurka (kg/ha)	125
4	Kala Fogaynta Dhirta	Labada sadar 69cm iyo labada geed oo ah 15 – 20cm haddii uu dalaggu yahay nooca kor u baxa, ama 70cm iyo 20 – 25cm haddii uu dalaggu yahay nooca faafa.
5	Bacrinta (kg/ha)	isticmaalka bacrinaha uu ku jiro salfarku sida {(Calcium Ammonium Nitrate (CAN)} ayaa sare u qaada korodhka maxsuulka. Waxaa si aad u sarraysa loogu talo bixiyaa in loo isticmaalo lawska 100kg/ha oo ah (single superphosphate). Bacrinta waxaa la isticmaali inta aan abuurka dhulka lagu ridin iyada oo la adeegsan karo qaababka ay ka midka yihiin in lagu daadiyo meesha bannaan ee takaariga dushiisa ah ama lagu dul firdhiyo dhulka ka dibna ciidda lagu rogo iyada oo la adeegsanayo hadba qalabka carra-rogga lagu samaynayo. Waxa lagu talo bixiyaa N=25, P=50 AND K=30.
6	Qaabka Beeridda	Si toos ah ayaa dhulka loogu daadiyaa haddi sadar lagu beerayo ama la firdhinayo
7	Dhererka Godka Abuurka	5 – 10cm
8	Ubaxaynta	25 – 40 maalmood oo ku xidhan nooca iyo cimilada kala duwan.
9	Bislaadka	40 – 100 maalmood oo ku xidhan nooca iyo cimilada kala duwan.
10	Maxsuulka (q/ha)	Dhex-dhexaad ahaan 10kiintaal/hektarkiiba
11	Xaddiga Saliidda (%)	40 – 50

CUTUBKA SEDDEXAAD
DALAGYADA DIGIRAHA (LAGUME CROPS)

Dalagyada Digiruhu waxa ay ku abtirsadaan bahda loo yaqaanno **(**Legumonosae) waxa ayna ka mid tahay dalagyada ugu muhiimsan uguna horreeyay ee uu aadamahu u beertaan ka faa'iidaysigooda dhaqaale. Bahdani gudaheeda waxaa ku jira tiro aad u badan oo dhir kala duwan ah oo lagu qaddaro in ka badan 13 kun oo nooc balse waxa cunto aadame ahaan si ballaadhan loogu beertaa oo keliya ilaa 20 nooc halka dhinaca kalena ay jiraan noocyo badan oo loo beero calfinta xoolaha ha noqoto caleentooda ama midhahaba. Innagu halkan waxa aynu si kooban ugaga hadli doonnaa oo keliya dalagyada muhimadda gaarka ah ku leh dhulkeenna oo ay ugu sii mudanyihiin kuwan hoos ku qorani.

Shaxda. 24 Dalagyo ka mid ah digiraha ee laga soo saaro Itoobiya

Tirsi	**Dalagga**	**Xilli-beereed (2016/17)**	
		Dhulka la beeray (ha)	**Maxsuulka (Kiintaal)**
1	Shumburo (Chickpea)	225,607.53	4,441,459.26
2	Digir (Cowpea)	Ma helin	Ma helin
3	Misir (Lentil)	113,684.63	1,662,742.2
4	Faasuuliya/Haarikoot (Haricot bean)	290,202.43	4,839,226.5
5	Salbuko (Mung bean)	Ma helin	Ma helin

Dhinaca nafaqada dalagyada digiruhu waxa ay yihiin kuwo laga helo barootiin aad u badan oo meelo badan oo dunida ka mid ah ay dadku kaga maarmeen baahidoodii walxahaasi ee ay ka heli lahaayeen xayawaanka oo isagu ah mid qaali ah marka la barbardhigo kan digiraha. Waddammada dadkoodu saboolka yahay waxaaba jira qaar digiraha ugu yeedha ama ku magacaaba *"Hilibka Saboolka"*. Dhinaca kale waxaaba dunidan ka jira dad iyagu diidayba in ay quutaan hilibka xoolaha arrimo la xidhiidha waxyaabaha ay aamminsanyihiin kuwaasina baahidoodii barootiin waxa ay ka helaan dhirtani.

DIGIR (Vigna unguiculata)

Shaxda 25. Muddeeyaha Xilliyada Beerista iyo Goynta Dalagga Digirta (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti, Faafan, Jerer, Qorraxay, Nogob, Shabeelle, Liibaan, Afdheer, Erer, dawa Iyo Doolo	Digir	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	May (Dhamm.)	June (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Dalagga (Crop): Digir (Cowpea Large) (*Vigna unguiculata)*

Shaxda 26aad. Xidhmada Soo Saaridda Dalagga Digirta

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Shabeelle, Afdheer, Liibaan, DAAWA, Faafan iyo degaanka intiisa kale
2	Baahida Roobka	600 – 1000mm/sannadkii iyo waraab dheeraad ah haddii roob xaddigaas le la waayo
3	Xaddiga Abuurka (kg/ha)	25 – 30 Noocyada firida waawayn, halka kuwa midhaha yaryarna laga dhigayo 35 – 70
4	Kala Fogaynta Dhirta	Labada sadar 75 cm, labada geedna 20 cm oo ku salaysan nooca, carrada iyo cimilada goobta
5	Bacrinta (kg/ha)	Foosfar (P) oo la isticmaalayo laba nooca oo kala ah; Single Super Phosphate (SSP = 60kg/ha ama Tri Super Phosphate (TSP) = 25kg/ha. digirtu uma baahna bacrinta naytaroojiinta.
6	Qaabka Beeridda	Si toos ah ayaa dhulka loogu daadiyaa haddi sadar lagu beerayo ama la firdhinayo
7	Dhererka Godka Abuurka	2 – 3cm
8	Ubaxaynta	33 – 44 maalmood beerista ka dib
9	Bislaadka	110 – 120 maalmood oo ku salaysan nooca dalagga, ciidda iyo cimilada goobta.
10	Dhererka Geedka	30 – 35cm taasi oo uu xaddidayo nooca dalaggu
11	Dhadhanka iyo	Aad u Wanaagsan oo qani ku ah walxaha barootiinka

	Tayada	
12	Falcelinta Cudurka	Waxa uu u adkaystaa cudurrada iyo cayayaanka
13	Maxsuulka (q/ha)	5 – 28 kiintaal hektarkiiba maxsuulkana waxa mar walba saamayn ku leh; nooca, carrada, cimilada iyo adeegga loo fidayo dalagga.

3.2. DIGIR (COWPEA SMALL) (Vigina unguiculata)

Shaxda 27aad. Muddeeyaha Xilliyada Beerista iyo Goynta Dalagga Digirta (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	Digir	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	May (Dhamm.)	June (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 28aad. Muddeeyaha Xilliyada Beerista iyo Goynta Dalagga Digirta (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Shabeele, Afdheer, Doollo, Erer, Libaan Iyo Daawa	Digir	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	May (Dhamm.)	June (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	November (Dhamm.)	November (Dhexda)

Dalagga (Crop): Digir (Cowpea) (*Vigna unguiculata)*

Shaxda 29aad. Xidhmada Soo Saaridda Dalagga Digirta

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Shabeelle, Afdheer, Liibaan, DAAWA, Faafan iyo degaanka intiisa kale
2	Baahida Roobka	600 – 1000mm/sannadkii
3	Xaddiga Abuurka (kg/ha)	60 – 70 Noocyada firida waawayn, halka kuwa midhaha yaryarna laga dhigayo 35 – 70
4	Kala Fogaynta Dhirta	Labada sadar 40 cm, labada geedna 10 cm oo ku salaysan nooca, carrada iyo cimilada goobta
5	Bacrinta (kg/ha)	Foosfar (P) ayaa loo isticmaali xaddi dhan 50 – 60 iyo walxaha orgaanigga ah.
6	Qaabka Beeridda	Si toos ah ayaa dhulka loogu daadiyaa haddi sadar lagu beerayo ama la firdhinayo
7	Dhererka Godka Abuurka	1.25cm
8	Ubaxaynta	33 – 44 maalmood beerista ka dib
9	Bislaadka	100 – 120 maalmood oo ku salaysan nooca dalagga, ciidda iyo cimilada goobta.
10	Cimriga Kooxda	Waxa uu ka mid yahay kooxda cimrigeedu dhex-dhexaadka yahay
11	Dhererka Geedka	30 – 35cm taasi oo uu xaddidayo nooca dalaggu
12	Dhadhanka iyo Tayada	Aad u Wanaagsan oo qani ku ah walxaha barootiinka
13	Falcelinta Cudurka	Waxa uu u adkaystaa cudurrada iyo cayayaanka
14	Maxsuulka (q/ha)	Maxsuulka waxa mar walba saamayn ku leh; nooca, carrada, cimilada iyo adeegga loo fidayo dalagga.
14.1	Beeraha Cilmi-baadhista	24
14.2	Beeraleyda	15

3.3. HAARIKOOT (HARICOT BEAN) (Phaseolus vulgarus)

Shaxda 30aad. Muddeeyaha Beerista iyo Goynta Dalagga Atarka

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Faafan Iyo Liibaan	Faasuuliya (Haarikoot)	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Haricot Bean (Phasoelus vulgarus)

Variety: Awash Melka

Shaxda 31aad. Xidhmada Soo Saaridda Dalagga Atarka

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Gobollada Faafan, Liibaan, Dooxooyinka Webiyada iyo Meelaha la Cimilada ah
2	Baahida Roobka	500 – 1100mm/sannadkii
3	Xaddiga Abuurka (kg/ha)	Sadar ku beeris 70 – 90 iyo Saydhista oo ah 100 – 110
4	Kala Fogaynta Dhirta	Labada sadar 40 cm, labada geedna 10 cm
5	Bacrinta (kg/ha)	Naytaroojiin, Foosfar iyo Salfar (NPS) = 100
6	Qaabka Beeridda	Si toos ah ayaa dhulka loogu daadiyaa haddi sadar lagu beerayo ama la firdhinayo
7	Dhererka Godka Abuurka	5cm
8	Ubaxaynta	50 maalmood
9	Bislaadka	75 – 90 maalmood
10	Cimriga Kooxda	Waxa uu ka mid yahay kooxda cimrigeedu dhex-dhexaadka yahay
11	Midabka Abuurka	Casaan/Guduud
12	Dhererka Geedka	50 cm

13	Dhadhanka iyo Tayada	Aad u Wanaagsan
14	Falcelinta Cudurka	Waxa uu u adkaystaa cudurrada iyo cayayaanka
15	Maxsuulka (q/ha)	
15.1	Beeraha Cilmi-baadhista	25 – 31
15.2	Beeraleyda	18 – 27

3.4. SHUMBURO (CHICKPEA/GRAM) (Cicer arietinum)

Dalagga shumburadu waxa uu ka mid yahay dalagyada digiraha ee ku habboon buuraleyda jooggoodu sarreeyo iyo goobaha cimiladoodu qabawga tahay waana dalag loo isticmaalo ujeeddooyin kala duwan. Waxaana laga beeraa dhulka dhaca khadadka 39. 49. 48N and 37°51' ′.B dhul*kaasi* oo badda ka sarreeya 1899 masl.

Shaxda 3 2 aad. Muddeeyaha Beerista iyo Goynta Dalagga Shumburada

Faafan	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Faafan	Shumburo	Beerista	Karan	September (Billawga)	September (Dhexda)
		Goynta	Karan	November (Dhexda)	November (Dhamm.)

Dalagga (Crop): Shumburo (Chickpea)

Shaxda 33aad. Xidhmada Soo Saaridda Dalagga Shumburada

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Banka Jigjiga, meelaha kale ee la cimilada ah ama u dhaw iyo degaanka intiisa kale
2	Baahida Roobka	350 – 400mm/sannadkii
3	Xaddiga Abuurka (kg/ha)	55 – 120 oo ku xidhan hadba abuurka la beerayo xajmigiisa (wayni/yari)
4	Kala Fogaynta Dhirta	Labada sadar 30 cm, labada geedna 10 cm
5	Bacrinta (kg/ha)	
5.1.	Urea	(N) 20 – 30kg/ha oo la isticmaalayo marka uu dhererka dalaggu gaadho lawga
5.2.	Dap	(P) 40 – 60kg/ha waxa loo isticmaali xilliga la beerayo dalagga

5.3.	K	(K) 17 – 25kg/ha haddii uu bootaasiyoomku carrada ku yaryahay
6	Qaabka Beeridda	Si toos ah ayaa dhulka loogu daadiyaa haddi sadar lagu beerayo ama la firdhinayo
7	Dhererka Godka Abuurka	5 – 8cm
8	Ubaxaynta	40 – 80 maalmood oo ku xidhan; nooca, carrada, biyaha iyo cimilada
9	Bislaadka	120 – 140 maalmood
10	Cimriga Kooxda	Cimri kala duwan ayuu leeyahay dalaggu
11	Midabka Abuurka	Midabyo kala duwan ayay leeyahay noocyada dalaggu
12	Dhererka Geedka	45 cm
13	Dhadhanka iyo Tayada	Aad u Wanaagsan qanina ku ah borootiinka
14	Falcelinta Aafooyinka Beeraha	Waxa uu ku xidhanyahay adkaysiga geedku nooca
15	Maxsuulka (q/ha)	– 12 nooca, cimilada iyo maaraynta ayaa muhiim u ah maxsuulka

3.5. SALBUKO (MUNG BEAN) (Vigna radiata L.)

Shaxda 34aad. Muddeeyaha Beerista iyo Goynta Dalagga Salbukada (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	**Salbuko**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 35aad. Muddeeyaha Beerista iyo Goynta Dalagga Salbukada (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Liibaan, Daawa, Doollo, Shabeelle Iyo Erer	**Salbuko**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Salbuko (Mung bean) (Vigna radiata L.)

Shaxda 36aad. Xidhmada Soo Saaridda Dalagga Salbukada

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Dooxooyinka afarta webi, faafan iyo degaanka la cimilada ah
2	Baahida Roobka	Waxa muhiim ah in uu helo roob dhex-dhexaad ah gaar ahaan inta u dhaxaysa ubaxaynta iyo dhammaadka xilliga abqaynta.
3	Xaddiga Abuurka (kg/ha)	10 – 15
4	Kala Fogaynta Dhirta	Labada sadar 40 cm, labada geedna 15 cm
5	Bacrinta (kg/ha)	
5.1.	Urea	(N) sida caadiga ah uma baahna maadaama uu dalaggu ka mid yahay bahda digiraha
5.2.	Dap	(P) 5 – 10kg/ha dhulka roobka, halka waraabkana loo adeegsado xaddi dhan 10 – 20
6	Qaabka Beeridda	Si toos ah ayaa dhulka loogu daadiyaa haddi sadar lagu beerayo ama la firdhinayo
7	Dhererka Godka Abuurka	4 – 5cm
8	Ubaxaynta	40 – 45 maalmood oo ku xidhan; nooca, carrada, biyaha iyo cimilada
9	Bislaadka	60 – 65 maalmood
10	Cimriga Kooxda	Cimri kala duwan ayuu leeyahay dalaggu balse si guud waa dalag cimri gaaban
11	Midabka Abuurka	Midabyo kala duwan ayay leeyahay noocyada dalaggu
12	Dhererka Geedka	60 – 76cm
13	Dhadhanka iyo Tayada	Aad u Wanaagsan qanina ku ah borootiinka
14	Falcelinta Aafooyinka Beeraha	Waxa uu ku xidhanyahay adkaysiga geedku nooca hadba la beero iyo xaaladda goobta
16	Maxsuulka (q/ha)	3 – 15 nooca, cimilada iyo maaraynta ayaa muhiim u ah maxsuulka

3.6. MISIR (LENTIL) (Lens culinaris Medika)

Shaxda 37aad. Muddeeyaha Beerista iyo Goynta Dalagga Misirka (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	**Misir**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 38aad. Muddeeyaha Beerista iyo Goynta Dalagga Misirka (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	**Misir**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Misir (Lentil) (Lens culinaris Medika)

Shaxda 39aad. Xidhmada Soo Saaridda Dalagga Salbukada

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Gobollada faafan, Liibaan iyo degaanka la cimilada ah
2	Baahida Roobka	254mm oo roob ah sannadkii (waa xaddii aad u yar) ama waraab lagu kabo haddii xaddigaasi yar la waayo.
3	Xaddiga Abuurka (kg/ha)	30 – 40
4	Kala Fogaynta Dhirta	Labada sadar 45 – 60cm, labada geedna 30cm
5	Bacrinta (kg/ha)	
5.1.	Urea	(N) baahi badan uma qaba maaddaama uu bahda digiraha ka mid yahay, haddiise uu jiro xaddi yar.
5.2.	Dap	(P) xaddi dhex-dhexaad ah ama fiican haddii uu carrada ku yaryahay si maxsuulka kor loogu qaado.
6	K	(K) xaddi dhex-dhexaad ah ama fiican haddii uu carrada ku yaryahay si maxsuulka kor loogu qaado.
7	Qaabka Beeridda	Si toos ah ayaa dhulka loogu daadiyaa haddi sadar lagu beerayo ama la

		firdhinayo
8	Dhererka Godka Abuurka	3 – 4cm
9	Bislaadka	80 – 110 maalmood
10	Dhererka Geedka	30 – 50cm
11	Dhadhanka iyo Tayada	Aad u Wanaagsan qanina ku ah borootiinka iyo macdano kale waxana lagu kabaa cuntooyinka firileyda ah si tayadooda nafaqo kor loogu qaado.
12	Falcelinta Aafooyinka Beeraha	Waxa uu ku xidhanyahay adkaysiga geedku nooca hadba la beero iyo xaaladda goobta
13	Maxsuulka (q/ha)	20 haddii dalagga si fiican loo maareeyo, waxa kale oo uu maxsuulku ku xidhanyahay nooca, cimilada iyo carrada goobta.

CUTUBKA AFRAAD

DALAGYADA KHUDAARTA

4.1. BASAL (ONION) (Allium cepa L.)

Shaxda 40aad. Muddeeyaha Beerista iyo Goynta Dalagga Basasha (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	**Basal**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 41aad. Muddeeyaha Beerista iyo Goynta Dalagga Basasha (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	**Basal**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Basal (Onion) (Allium cepa L.)

Shaxda 42aad. Xidhmada Soo Saaridda Dalagga Basasha

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Dhammaan Cimilo beereedka deegaanka
2	Baahida Roobka	Waa dalag u baahan xaddi roob oo aad u yar
3	Xaddiga Abuurka (kg/ha)	3 – 3.5
4	Kala Fogaynta Dhirta	Labada sadar 10 cm, labada geedna 4 – 6cm
5	Bacrinta (kg/ha)	
5.1.	Urea	150-250 (50) (100) (50)
5.2.	Dap	150-200kg (150-200kg) xilliga abaqaalka tallaalka
6	K2SO4	50 - 75 (50)

7	Qaabka Beeridda	Beerta xannaanada ayaa lagu koriyaa ka dibna tallaalka ayaa lagu beeraa beerta joogtada ah
8	Dhererka Godka Abuurka	0.5 – 1cm
9	Bislaadka	100 – 175 maalmood oo nooca ku xidhan
10	Dhererka Geedka	60 – 76cm
11	Falcelinta Aafooyinka Beeraha	Waxa uu ku xidhanyahay adkaysiga geedku nooca hadba la beero iyo xaaladda goobta
12	Maxsuulka (q/ha)	Nooca, cimilada iyo maaraynta ayaa muhiim u ah maxsuulka

4.2. TAMAANDHO/XABUUB/YAANYO (TOMATO) (Lyocperrsicum esculentum.Mill)

Shaxda 43aad. Muddeeyaha Beerista iyo Goynta Dalagga Xabuubka (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	**Tamaandho**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 44aad. Muddeeyaha Beerista iyo Goynta Dalagga Xabuubka (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	**Tamaandho**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Yaanyo (Tomato) (Lyocperrsicum esculentum.Mill)

Shaxda 45aad. Xidhmada Soo Saaridda Dalagga Yaanyada

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Dooxooyinka afarta webi, faafan iyo degaanka la cimilada ah
2	Baahida Roobka	Waa in la helo roob ku filan ama waraab dheeraad ah
3	Xaddiga Abuurka (kg/ha)	4 – 5

4	Kala Fogaynta Dhirta	Labada sadar 1.2m, labada geedna 40 – 50cm
5	Bacrinta (kg/ha)	
5.1.	Urea	200-300 (50) (100) (50) (100)
5.2.	Dap	150-250 (150-250)
6	K2SO4	75 – 100 (50) (50)
7	Qaabka Beeridda	Abuurka waxa lagu beeraa beerta xannaanada ka dibna abaqaalka ayaa lagu beera beerta joogtada ah.
8	Ubaxaynta	45 – 100 maalmood laga billaabo abaqaalka tallaalka oo ku xidhan; nooca, carrada, biyaha iyo cimilada.
9	Bislaadka	100 maalmood laga billaabo abaqaalka tallaalka oo salka ku haya nooca dalagga iyo cimilada.
10	Dhadhanka iyo Tayada	Aad u Wanaagsan qanina ku ah fiitamiinno iyo waxyaabo nafaqo badan dadka u leh
11	Maxsuulka (q/ha)	250 nooca, cimilada iyo maaraynta ayaa muhiim u ah maxsuulka

4.3. BASBAAS/QAJI (SWEET/HOT PEPPER) (Capsicum annum)

Shaxda 46aad. Muddeeyaha Beerista iyo Goynta Dalagga Basbaaska/Qaji (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	**Basbaas**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 47aad. Muddeeyaha Beerista iyo Goynta Dalagga Basbaaska/Qaji (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	**Basbaas**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Basbaas (Sweet/Hot pepper) (Capsicum annum)

Shaxda 48aad. Xidhmada Soo Saaridda Dalagga Basbaaska

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Dhammaan cimilo beereedka deegaanka
2	Baahida Roobka	Waxa muhiim ah in uu helo roob joogto ah oo ku filan ama waraab joogto ah.
3	Xaddiga Abuurka (kg/ha)	200 – 250g. Abuur aad u yar oo aan kiiloogaraam gaadhaynin ayaa ku filan hektarkiiba.
4	Kala Fogaynta Dhirta	Labada sadar 75 cm, labada geedna 30 cm iyo 50 x 45 oo labaduba na siinayaan 44,444 geed hektarkiiba.
5	Bacrinta (kg/ha)	
5.1.	Urea	200 oo loo isticmaalayo sida soo socota oo la soconaysa da'da geedka; 10 cisho (30), 25 cisho (50), 40 cisho (50), 55 cisho (50), 70 cisho (20).
5.2.	Dap	150 xilliga dalagga la beerayo
6	KNO3	150 oo loo isticmaalayo sida soo socota oo la soconaysa da'da geedka; 10 cisho (10), 25 cisho (30), 40 cisho (40), 55 cisho (40), 70 cisho (30).
7	Qaabka Beeridda	Goobta xannaanada ayaa lagu barbaariyaa tallaalka ka dibna beerta joogtada ah ayaa lagu abaqaalaa.
8	Bislaadka	85 – 90 maalmood abaqaalidda ka dib
9	Dhererka Geedka	85 – 150cm
11	Dhadhanka iyo Tayada	Aad u Wanaagsan qanina ku ah walxa-nafaqeedyo badan
12	Falcelinta Aafooyinka Beeraha	Waxa uu ku xidhanyahay adkaysiga geedku nooca hadba la beero iyo xaaladda goobta
13	Maxsuulka (q/ha)	450 ayuu gaadhaa haddi uu helo; hidda fiican, cimilo habboon iyo maarayn wanaagsan.

4.4. KAAROOT (CARROT) (Daucus carota L.)

Shaxda 49aad. Muddeeyaha Beerista iyo Goynta Dalagga Kaarootada (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	**Kaaroot**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 50aad. Muddeeyaha Beerista iyo Goynta Dalagga Kaarootada (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	**Kaaroot**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Kaaroot (Carrot) (Daucus carota L.)

Shaxda 51aad. Xidhmada Soo Saaridda Dalagga Kaarootada

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Dhammaan cimilo beereedka kala duwan ee deegaanka wuu u suubbadaa
2	Baahida Roobka	Dalagga kaarootada ayaa u baahan xaddi roob oo dhan 1000mm sannadkiiba ama waraab dheeraad ah.
3	Xaddiga Abuurka (kg/ha)	5
4	Kala Fogaynta Dhirta	Labada sadar 25 cm, labada geedna 5 cm
5	Bacrinta (kg/ha)	Billawga hore ee biqilka ilaa uu dhererka biqilku ka gaadhayo 12 – 20cm walxo la khamiiriyay (compost) in lagu nafaqeeyo ayaa habboon.
5.1.	Urea	(N) xaddi dhex-dhexaad ah ayuu uga baahanyahay balse mar walba hubi baahida carrada goobta .
5.2.	Dap	(P) xaddi aad u yar ayuu geedkani uga baahanyahay curiyahan iyo walxihiisa, haddana la soco xaaladda ciidda.

6	Qaabka Beeridda	Si toos ah ayaa dhulka loogu daadin kraa haddi sadar lagu beerayo ama waa la firdhiyaa, waxa kale oo lagu beeraa xannaanada ka dibna beerta joogtada ah ayaa loo guydbiyaa.
7	Dhererka Godka Abuurka	2.5 – 5Cm
8	Ubaxaynta	4 – 6 toddobaad beerista ka dib oo ku xidhan; nooca, carrada, biyaha iyo cimilada
9	Bislaadka	70 – 80 maalmood beerista ka dib
10	Dhererka Geedka	12 – 90cm sida muuqata waa dherer aad u kala fog waxaana u sabab ah nooca geedka iyo hiddihiisa.
11	Dhadhanka iyo Tayada	Aad u Wanaagsan qanina ku ah fiitammiinno iyo macdano kale oo faa'iido nafaqo leh
12	Falcelinta Aafooyinka Beeraha	Waxa uu ku xidhanyahay adkaysiga geedku nooca hadba la beero iyo xaaladda goobta
13	Maxsuulka (q/ha)	200 – 400 mararka qaarna waxa uu gaadhaa 600 waxaasi oo idilina waxa ay ku xidhanyihiin; nooca, cimilada iyo maaraynta oo gundhig iyo muhiim u ah maxsuulka

4.5. XABXAB/QARE (WATERMELON) (Tikiti maji)

Shaxda 52aad. Muddeeyaha Beerista iyo Goynta Dalagga Xabxabka/Qaraha (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	**Xabxab**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 53aad. Muddeeyaha Beerista iyo Goynta Dalagga Xabxabka/Qaraha (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	Xabxab	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Xabxab/Qare (Watermelon) (Tikiti maji)

Shaxda 54aad. Xidhmada Soo Saaridda Dalagga Xabxabka/Qaraha

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Dhammaan cimilo beereedka kala duwan ee deegaanka wuu u suubbadaa
2	Baahida Roobka	Dalagga xabxabka ayaa u baahan xaddi roob oo dhan 400 – 600mm sannadkiiba ama waraab dheeraad ah.
3	Xaddiga Abuurka (kg/ha)	3.5 iyada oo la eegayo xajmiga nooca, carrada iyo cimilada kale
4	Kala Fogaynta Dhirta	Labada sadar 100 – 150cm, labada geedna 90 – 100cm
5	Bacrinta (kg/ha)	197kg oo ah nooca TSP ama DSP
6	Qaabka Beeridda	Si toos ah ayaa dhulka loogu beeraa midhaha
7	Dhererka Godka Abuurka	2.5cm
8	Ubaxaynta	4 – 6 toddobaad beerista ka dib oo ku xidhan; nooca, carrada, biyaha iyo cimilada
9	Bislaadka	70 – 80 maalmood beerista ka dib
10	Dhererka Geedka	30 – 90cm sida muuqata waa dherer aad u kala fog waxaana u sabab ah nooca geedka iyo hiddihiisa.
11	Dhadhanka iyo Tayada	Aad u Wanaagsan qanina ku ah fiitammiinno iyo macdano kale oo faa'iido nafaqo leh
12	Falcelinta Aafooyinka Beeraha	Waxa uu ku xidhanyahay adkaysiga geedku nooca hadba la beero iyo xaaladda goobta
13	Maxsuulka (q/ha)	250 – 300 waxaasina waxa ay ku xidhanyihiin; nooca, cimilada iyo maaraynta oo gundhig iyo muhiim u ah maxsuulka

4.6. KAABASH (CABBAGE) (Brassica oleracea)

Shaxda 55aad. Muddeeyaha Beerista iyo Goynta Dalagga Kaabashka (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	**Kaabash**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 56aad. Muddeeyaha Beerista iyo Goynta Dalagga Kaabashka (Crop Calendar)

Gobolka	**Dalagga**	**Wakhtiga**	**Xilliga**	**Billawga**	**Dhammaadka**
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	**Kaabash**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Kaabash (Cabbage) (Brassica oleracea)

Shaxda 57aad. Xidhmada Soo Saaridda Dalagga Kaabashka

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Dhammaan cimilo beereedka kala duwan ee deegaanka wuu u suubbadaa
2	Baahida Roobka	380 – 500mm ama waraab dheeraad ah sannadkii taasi oo ku xidhan naaca carrada, cimilada kale iyo nooca dalagga.
3	Xaddiga Abuurka (kg/ha)	0.22 – 0.25 iyada oo la eegayo xajmiga nooca, carrada iyo cimilada kale
4	Kala Fogaynta Dhirta	Labada sadar 45cm, labada geedna 60cm
5	Bacrinta (kg/ha)	N = 180 P = 80 K = 180
6	Qaabka Beeridda	Abuurka ayaa lagu kobciyaa xannaanada ka dibna beerta joogtada ah ayaa loo gudbiyaa laguna abaqaalaa.
7	Bislaadka	65 maalmood abaqaalidda ka dib
8	Dhererka Geedka	30cm

9	Dhadhanka iyo Tayada	Aad u Wanaagsan qanina ku ah fiitammiinno iyo macdano kale oo faa'iido nafaqo leh
10	Falcelinta Aafooyinka Beeraha	Waxa uu ku xidhanyahay adkaysiga geedku nooca hadba la beero iyo xaaladda goobta
11	Maxsuulka (q/ha)	450 - 500

4.7. SALLADH (LETTUCE) (Lactuca sativa)

Shaxda 58aad. Muddeeyaha Beerista iyo Goynta Dalagga Kaabashka (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka	Wakhtiga
Siti Iyo Faafan	Saladh	Beerista	Gu	March (Dhamm.)	April (Billaw)	Beerista
		Goynta	Gu	June (Dhamm.)	July (Billaw)	Goynta
		Beerista	Karan	July (Dhexda)	July (Dhamm.)	Beerista
		Goynta	Karan	September (Dhexda)	September (Dhamm.)	Goynta

Shaxda 59aad. Muddeeyaha Beerista iyo Goynta Dalagga Kaabashka (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka	Wakhtiga
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	Saladh	Beerista	Gu	March (Dhamm.)	April (Billaw)	Beerista
		Goynta	Gu	June (Dhamm.)	July (Billaw)	Goynta
		Beerista	Dayr	September (Dhamm.)	October (Billaw)	Beerista
		Goynta	Dayr	December (Dhamm.)	January (Billaw)	Goynta

Dalagga (Crop): Salladh (Lettuce) (Lactuca sativa)

Shaxda 60aad. Xidhmada Soo Saaridda Dalagga Salladhka

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Dhammaan cimilo beereedka kala duwan ee deegaanka wuu u suubbadaa
2	Baahida Roobka	Waa dalag u baahan biyo ku filan oo uu ka helo roob ama biyo waraab dhinaca kalena waxa biyaha ka badan baahidooda ayaa khatar ku ah koritaanka iyo wax soo saarka dalagga salladhka. Guud ahaan si joogto ah ayaa loo waraabin.
3	Xaddiga Abuurka	8 – 9 iyada oo la eegayo xajmiga nooca, carrada iyo cimilada kale

	(kg/ha)	
4	Kala Fogaynta Dhirta	Labada sadar 50 – 60cm, labada geedna 20 – 30cm
5	Bacrinta (kg/ha)	Dalaggani ma aha mid jecel ama badsada nafaqeeyayaasha balse la tasho khabiirrada beeraha ku sugan goobta.
6	Qaabka Beeridda	Abuurka ayaa lagu kobciyaa xannaanada ka dibna beerta joogtada ah ayaa loo gudbiyaa laguna abaqaalaa. Waxa kale oo loo beeri karaa si toos ah.
7	Bislaadka	60 – 90 maalmood abaqaalidda ka dib waxayna ku kala duwanyihiin noocyada
8	Dhererka Geedka	0.4 – 0.5cm
9	Dhadhanka iyo Tayada	Aad u Wanaagsan qanina ku ah fiitammiinno iyo macdano kale oo faa'iido nafaqo leh
10	Falcelinta Aafooyinka Beeraha	Waxa uu ku xidhanyahay adkaysiga geedku nooca hadba la beero iyo xaaladda goobta
11	Maxsuulka (q/ha)	200 - 400 waxa ayna ku kala duwanyihiin nooca dalagga la beerayo

CUTUBKA SHANAAD
DALAGYADA GEED MIDHOODKA

5.1. LIIMAHA (CITRUS)

Shaxda 61aad. Muddeeyaha Beerista iyo Goynta Dalagyada Liimaha (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	**Liimaha**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 62aad. Muddeeyaha Beerista iyo Goynta Dalagyada Liimaha (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	**Liimaha**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Liimaha (Citrus spp.)

Shaxda 63aad. Xidhmada Soo Saaridda Dalagga Liimaha

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Dhammaan cimilo beereedka deegaanka waa laga beeri karaa
2	Baahida Roobka	1000 – 1200mm sannadkii ama waraab dheeraad ah
3	AbuurkaTallaalka	Waxa la diyaarin godad u qodan afar gees abuurka ama tallaalkuna waa geedkiiba hal firi ama tallaal.
4	Kala Fogaynta Dhirta	Labada sadar 5 – 8m, labada geedna 5 – 8m hadba noocu sida uu u baxo
5	Bacrinta (kg/ha)	Waxa la ogaaday in ay jiraan 15 nooc oo bacrino ahi in ay door fiican ku leeyihiin koritaanka iyo wax soo saarka liimaha balse waxa muhiim ah in lala socda hadba baahida carrada iyo geedku sida ay yihiin.

6	Qaabka Beeridda	Waxa ugu habboon in tallaalka lagu diyaariyo goobta xannaanada ka dibna lagu beero beerta
7	Dhererka Godka tallaalka	50x50x50cm (inta loo qodi hoos iyo labada dhinac)
8	Ubaxaynta	40 – 45 maalmood oo ku xidhan; nooca, carrada, biyaha iyo cimilada
9	Bislaadka	Laga billaabo tallaalka beerta la geeyo ka dib 4 sano ayay liimuhu midhaha dhaliyaan
10	Dhadhanka iyo Tayada	Aad u Wanaagsan qanina ku ah nafaqooyin badan oo faa'iido u leh aadamaha
11	Falcelinta Aafooyinka Beeraha	Waxa uu ku xidhanyahay adkaysiga geedku nooca hadba la beero iyo xaaladda goobta

4.8. MAANGO (MANGO) (Mangifera indica)

Shaxda 64aad. Muddeeyaha Beerista iyo Goynta Dalagga Maangada (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	**Maango**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 65aad. Muddeeyaha Beerista iyo Goynta Dalagga Maangada (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo		Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Maango (Mango) (*Mangifera indica*)

Shaxda 66aad. Xidhmada Soo Saaridda Dalagga Maangada

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Dhammaan cimilo beereedka deegaanka
2	Baahida Roobka	850 – 1000mm sannadkii ama waraab dheeraad ah
3	Xaddiga Abuurka (kg/ha)	Haddii midhaha la isticmaalayo geedkiiba waa hal xabbo (100 xabbo hektarkiiba)
4	Kala Fogaynta Dhirta	Waxa la isu jirsiin 8 x 10m ama 10 x 12m oo ku xidhan qaab bixitaanka nooca la beerayo.
5	Bacrinta/geedkiiba	(37.5) kg digada lo'da oo lagu darayo bacrinaha kale ee muhiimka u ah geedka maangada kana mid yihiin; 1. Naytaroojiin (N) 518.43g, 2. Foosfoor (P) 120g, 3. Bootaasiyoom (K) 187.5g, 4. Salfar (S) 67.45g, 5. Zink (Zn) 8.09g
6	Qaabka Beeridda	Abuur/midhaha oo toos loo beero ama tallaal/xubin geedka ka mid ah ayaa loo adeegsan karaa
7	Dhererka Godka Abuurka	50x50x50cm (labada dhinac iyo hoosba nus mitir ayaa loo qodi) godadkuna waa afar gees qaabka loo qodayaayi.
8	Bislaadka	Ubaxaynta ilaa iyo bislaadka midhuhu waxa uu qaataa muddo dhan 100 – 150 maalmood taasi oo ku xidhan nooca geedka
9	Cimriga Geedka	Waxa uu dhaafi karaa 100 sano isaga oo si fiican wax soo saar u leh
10	Midabka Midhaha	Midabyo kala duwan ayay leeyihiin noocyada dalaggu
11	Dhererka Geedka	10 – 40m ayuu geed ahaan gaadhaa balse dalagga la qodanayo waxa fiican in dherekiisa lagu xaddido 6 – 9m..
12	Dhadhanka iyo Tayada	Aad u Wanaagsan qanina ku ah fiitamiinno iyo macdano kaleba
13	Falcelinta Aafooyinka Beeraha	Waxa uu ku xidhanyahay adkaysiga geedku nooca hadba la beero iyo xaaladda goobta
14	Maxsuulka (q/ha)	400 – 600 oo midho ah ayaa geedkiiba laga heli karaa sannad walba

4.9. MUUS (BANANA) (Musa spp.)

Shaxda 67aad. Muddeeyaha Beerista iyo Goynta Dalagga Muuska (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	**Muus**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)
		Goynta	Karan	September (Dhamm.)	October (Billaw)

Shaxda 68aad. Muddeeyaha Beerista iyo Goynta Dalagga Muuska (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	Muus	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Muus (Banana) (Musa spp.)

Shaxda 69aad. Xidhmada Soo Saaridda Dalagga Muuska

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Dhammaan cimilo beereedka deegaanka si fiican ayuu uga bixi karaa
2	Baahida Roobka	Waa geed biyo badan u baahan 1800 – 2500mm ama waraab dheeraad ah
3	Xaddiga Abuurka (kg/ha)	Tallaal iyo laan ama xubin geedka ka mid ah ayaa laga tarmiyaa dalagga muuska
4	Kala Fogaynta Dhirta	Labada sadar iyo labada geedba 1.8m ama 2m (1.8m x 1.8m ama 2m x 2m) hadba nooca la beerayo ayay ku xidhantahay. Haddii la beerayo nooca gaagaabanna waa 1.5m x 1.5m
5	Bacrinta (kg/ha)	Muusku waa geed aad ugu baahan bacrinaha maadaama uu caleen iyo midho badan bixiyo isla markaana aanu lahayn xidid dhulka hoos u gala oo meelo fogfog ka qadhaaban kara. Waa in mar walba lala socdaa baahidiisa loona bogaa.
6	Qaabka Beeridda	Tallaalka lagu koriayay xannaanada ayaa lagu beeraa aslaaxa joogtada

		ah goorta uu gaadho
7	Dhererka Godka tallaalka	60cm3 (seddexda dhinacba 60x60x60)
8	Ubaxaynta	9 – 12 bilood tallaalidda ka dib oo ku xidhan; nooca, carrada, biyaha iyo cimilada
9	Bislaadka	4 – 5 bilood ubaxaynta ka dib oo ku xidhan nooca geedka iyo cimilada
10	Cimriga Kooxda	Cimri kala duwan ayuu leeyahay dalaggu balse ma cimri dheera marka loo eego geed midhood badan
11	Midabka Midhaha	Midabyo kala duwan ayay leeyahay noocyada dalaggu
12	Dhererka Geedka	Waxa uu isugu jiraa qaar hagaas ah oo gaagaaban, kuwo dhexe iyo dar dhaadheer
13	Dhadhanka iyo Tayada	Aad u Wanaagsan qanina ku ah macdano badan oo kal duwan faa'iiana u leh jidhka dadka
14	Falcelinta Aafooyinka Beeraha	Waxa uu ku xidhanyahay adkaysiga geedku nooca hadba la beero iyo xaaladda goobta
15	Maxsuulka (q/ha)	150 – 200 oo ku xidhan nooca, cimilada iyo maaraynta beerta. Waxa kale oo jira qaar maxsuulkoodu gaadho 400q/ha, halka muuska la kariyaana uu gaadho 110 – 150q/ha.

4.10. BABAAY (PAPAYA) (Carica papaya)

Shaxda 70aad. Muddeeyaha Beerista iyo Goynta Dalagga Babaayga (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	**Babaay**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 71aad. Muddeeyaha Beerista iyo Goynta Dalagga Babaayga (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	**Babay**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Babaay (Papaya) (*Carica papaya*)

Shaxda 72aad. Xidhmada Soo Saaridda Dalagga Babayga

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Dhammaan cimilo beereedka deegaanka
2	Baahida Roobka	35– 250mm sannadkii (roob yar ayuu ku bixi karaa)
3	Xaddiga Abuurka (kg/ha)	250 – 300g hektarkiiba
4	Kala Fogaynta Dhirta	Waxa la isu jirsiin (1.8 x 1.8 m) ama (2.4 x 2.4m) oo ku xidhan qaab bixitaanka nooca la beerayo.
5	Bacrinta/geedkiiba	Maadaama ay nafaqada carradu kala duwantahay waxa lagala tashan khabiirrada goobta jooga. Marka ay bixiyaan talada walxaha loo baahanyahay, waxa loogu kala qaybin geedka bilaha
6	Qaabka Beeridda	Abuur/midhaha oo lagu koriyo xannaanada ka dibna beerta joogtada ah ayaa lagu abaqaalaa
7	Dhererka Godka Abuurka	(1 – 1.5) x (1 – 1.5) x (1 – 1.5)m (labada dhinac iyo hoosba sidaasi ayaa loo qodi) godadkuna waa afar gees qaabka loo qodayaayi.
8	Uabaxaynta	Babaygu waxa uu ubaxa ku soo saaraa 5 – 6 bilood beerista ka dib
9	Bislaadka	Geedka babayga ayaa midho yeesha marka ay da'diisu gaadho 10 bilood oo ka billaabata beeridda.
10	Cimriga Geedka	Waxa uu wax soo saar dhaqaale lah yeeshaa inta ay da'diisu ka gaadhayso 3 – 4 sano.
11	Midabka Midhaha	Midab huruud ah ayay yeeshaan midhaha babaygu xilliga ay bislaadaan
12	Dhererka Geedka	2 – 10m ayuu gaadhaa balse dalagga la qodanayo waxa fiican in dherekiisa lagu xaddido heer si fudud loo goosan karo.
13	Dhadhanka iyo Tayada	Aad u Wanaagsan qanina ku ah fiitamiinno iyo macdano kaleba oo faa'iido badan u leh dadka
14	Falcelinta Aafooyinka Beeraha	Waxa uu ku xidhanyahay adkaysiga geedku nooca hadba la beero iyo xaaladda goobta
15	Maxsuulka (q/ha)	Maxsuulka geedka babayga ayaa ah mid aad u kala duwantaasi oo ay sabab u yihiin kala duwanaanshaha carrada, cimilada, nooca iyo adeegga loo fidiyo geedaha. 750 – 1000 ayaa hektarkiiba laga heli karaa xilli beereed walba.

4.11. SAYTUUN (GUAVA) (Psidium guajava L.)

Shaxda 73aad. Muddeeyaha Beerista iyo Goynta Dalagga Saytuunka (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	**Saytuun**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 73aad. Muddeeyaha Beerista iyo Goynta Dalagga Saytuunka (Crop Calendar

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	**Saytuun**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Dayr	September (Dhamm.)	October (Billaw)
		Goynta	Dayr	December (Dhamm.)	January (Billaw)

Dalagga (Crop): Saytuun (Guava) (Psidium)

Shaxda 74aad. Xidhmada Soo Saaridda Dalagga Saytuunka

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Dhammaan cimilo beereedka ddegaanka la qabsi ayuu u leeyahay
2	Baahida Roobka	Roob gaadhi kara 1000mm sannadkii ama waraab habboon si looga helo maxsuulka ugu badan.
3	Xaddiga Abuurka (kg/ha)	Haddii la doonayo in abuur loo adeegsado badinta geedka saytuunka waxa muhiim ah in la xaqiijiyo tirada dhirta ee looga baahanyahay beerta adiga oo ka duulaya masaafada labada sadar iyo labada geed ee ah 6x6 (277 geed halka hektar) ama sida ay ku taliyaan khabiirrada beeraha ee goobta ku sugani. Haddii geedka la tarmiyo iniinyaha waxa uu midho soo saarkiisu qaadataa muddo 8 sano ah. Haddii saytuunka laga badiyo xubin aan iniinta ahayn waxa uu wax ku soo saaraa da'da 3 – 4 sano.
4	Kala Fogaynta Dhirta	Labada sadar 8m, labada geedna 3m (masaafadni ayaa xaqiijisay tirada midhaha ugu badan iyo miisaanka midhaha ugu culus ee hal geed laga helo). Sida ugu badan waxa la isu jirsiiyaa 6 x 6m.
5	Bacrinta (kg/ha)	Saytuunku goorta la billaabayo beeriddiisa waxa carrada lagu bacrin

		iskujir ka kooban macdanaha iyo saamiyadooda kala ah; (N=6), (P=6), (K=6) iyo (Mg=6). 3 – 4 jeer ayaa loo isticmaali bacrinahani xilliga koritaanka geedka. Ka dibna xaddiga ayaa kor loo qaadi sannad walba waxaana la kordhin; N=100g, P=40g, K=100g ilaa inta ay da'da geedku ka gaadhayso 5 sano goortaasi oo xaddiga korodhka la gaadhsiinayo; N=500g, P=200g iyo K=500g. Saamiga naytaroojiinta nus ka mid ahi waa in uu ka yimaaddo walxaha orgaanigga ah. Bacrinaha uu ku badanyahay curiyaha bootaasiyoomka ayaa ugu wanaagsan geedka iyo midhaha saytuunka.
6	Qaabka Beeridda	Abuurka oo si toos ah loo beero iyo in tallaalka lagu xannaaneeyo abaqaalka ka dibna beerta la geeyo iyo sidoo kale in laamaha iyo xubnaha kale ee geedka la isku tallaalo intuba waa suuragal.
7	Dhererka Godka Abaqaalka	1 x 1 x 1 m (labada dhinac iyo hoosba in intaasi la qodo ayaa lagu taliyaa).
8	Bislaadka	Ubaxaynta iyo bislaadka midhaha waxa u dhaxeeya muddo gaadhaysa 20 – 28 toddobaad.
9	Dhererka Geedka	Waxa uu gaadhaa 8m hase ahaatee noocyada la qoto waxa lagu sameeyaa qusayn joogto ah si loo xakameeyo dhererkiisa (2 – 3m) geedkuna u noqdo mid la maarayn karo midhahana si fudud looga goosan karo.
10	Dhadhanka iyo Tayada	Aad u Wanaagsan qanina ku ah macdano badan oo nafaqo u leh aadamaha
11	Falcelinta Aafooyinka Beeraha	Waxa uu ku xidhanyahay adkaysiga geedku nooca hadba la beero iyo xaaladda goobta
12	Maxsuulka (q/ha)	Wax soo saarka geedka ayaa gaadha 23kg/geedkiiba/sannadkiiba. Iyada oo ay mar walbana saamayn ku leeyihiin; hiddaha, cimilada iyo maaraynta uu geedku helo.

QAYBTA LABAAD:

DALAGYADA CALAFKA

CUTUBKA LIXAAD

DALAGYADA CALAFKA (FODDER CROPS)

6.1. CAWS SUUDAAN (SUDAN GRASS) (Sorghum bicolor)

Shaxda 75aad: Muddeeyaha Beerista iyo Goynta Dalagga Sudan grass (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	Caws Suudaan	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 76aad: Muddeeyaha Beerista iyo Goynta Dalagga Sudan grass (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	Cawss Suudan	Beerista	Gu	September (Dhamm.)	October (Billaw)
		Goynta	Gu	December (End)	January (Billaw)
		Beerista	Dayr	March (Dhamm.)	April (Billaw)
		Beerista	Dayr	June (Dhamm.)	July (Billaw)

Dalagga (Crop): Caws Suudaan (Sudan Grass)

Shaxda 77aad: Xidhmada Soo Saaridda Dalagga Caws Suudaanka

Tirsi	**Maaraynta Dalagga**	
1	Dhulka uu la Qabsaday	Banka Jigjiga, Shabeelle, Dooxada Gennale iyo Degaanka oo Idil
2	Baahida Roobka	200 – 600mm
3	Joogga Dhulka	1500 m ka sarreeya heerka badda iyo wax ka hooseeya intaba
4	Xaddiga Abuurka (kg/ha)	7 – 9 kiiloogaraam hektarkiiba
5	Dhererka Geedka Xilliga Goynta	172cm

6	Maalmaha uu ku Bislaado	81 maalmood
7	Maxsuulka (q/ha)	22 kiintaal hektarkiiba
8	Sannadka la Tijaabiyay	2002
9	Waxa loo soo Saaray Xaaladda DDS.	Waxa tijaabiyay Mac-hadka Cilmi-baadhista Xoolaha iyo Beeraha DDS iyo Xarumihiisa (Godey, Qallaafo, Doollo Addo, Jarrati Jigjiga, iyo Faafen

6.2. CAWS MAROODI (ELEPHANT GRASS) (Pennisetum purpureum)

Shaxda 78aad: Muddeeyaha Beerista iyo Goynta Dalagga Caws Maroodiga (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	Caws Maroodi	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 79aad: Muddeeyaha Beerista iyo Goynta Dalagga Caws Maroodiga (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	Caws Maroodi	Beerista	Gu	September (Dhamm.)	October (Billaw)
		Goynta	Gu	December (End)	January (Billaw)
		Beerista	Dayr	March (Dhamm.)	April (Billaw)
		Beerista	Dayr	June (Dhamm.)	July (Billaw)

Dalagga (Crop): Caws Maroodi (Elephant Grass)

Shaxda 80aad: Xidhmada Soo Saaridda Dalagga Caws Maroodiga

Tirsi	Maaraynta Dalagga	
1	Dhulka uu la Qabsaday	Dhammaan cimilo beereedka kala duwan ee deegaanka
2	Baahida Roobka	200mm roob gaadha ayuu ku bixi karaa waxa uuna awood u leeyahay in uu u adkaysto roob xaddigiisu aad u badanyahay oo gaadha 4500mm.
3	Joogga Dhulka	0 – 2000 masl (ka sarreeya heerka badda)
4	Tarminta caws maroodiga	Waxa la xulaa luumaha tarminta cawskani oo ay da'doodu tahay 6 bilood isla markaana leh 3 – 5 xubnood. Inta loo sameeyo faag ku habboon ayaa luunmaha dhulka la jiifiyaa iyada oo la isu jirsiinayo 30cm. Intaa ka dibna carro fudud (2.5 – 5cm) ayaa lagu dedaa.
5	Dhererka Geedka Xilliga Goynta	4 – 7m ayuu gaadhaa
6	Muddada uu jaridda ku gaadho	Waxa lagu talo bixiyaa in caws maroodiga jariddisa u horraysa la sameeyo marka uu dhererka geedku gaadho 1 – 1.2m (qiyaastii 3 – 4 bilood ka dib beeriddiisa.).
7	Maxsuulka (q/ha)	Meelaha qaar waxa uu gaadhaa maxsuulku 450 kiintaal oo bal qallalan ah hektarkiiba.
8	Waxa loo soo Saaray Xaaladda DDS.	Waxa tijaabiyay Mac-hadka Cilmi-baadhista Xoolaha iyo Beeraha DDS iyo Xarumihiisa.

6.3. CAWS LO'AAD (BUFFALO GRASS) (Cenchrus Ciliaris)

Shaxda 81aad: Muddeeyaha Beerista iyo Goynta Dalagga Cawska Lo'da Gisida (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
SITI IYO FAAFAN	**Caws Lo'aad**	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 81aad: Muddeeyaha Beerista iyo Goynta Dalagga Cawska Lo'da Gisida (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	**Caws Lo'aad**	Beerista	Gu	September (Dhamm.)	October (Billaw)
		Goynta	Gu	December (End)	January (Billaw)
		Beerista	Dayr	March (Dhamm.)	April (Billaw)
		Beerista	Dayr	June (Dhamm.)	July (Billaw)

Shaxda 81aad: Tilmaamaha Calafka Caws Lo'aadka

Tilmaamaha Calafka	Waxyaabaha Xaddida Bixitaanka Calafka
• Waa caws si ursan u baxa ama baaha isla markaana bixiya xidid dhulka hoos ugu aroora cimrigiisuna gaadho wax ka badan laba sano; • Waxa uu si aad ah ugu adkaystaa abaarta iyo biyo la'aanta; • Waxa uu awood u leeyahay u adkaysiga jaridda iyo daaqidda xoolaha ee culus; • Si ballaadhan ayuu ula qabsadaa xaaladaha kala duwan ee soo wajaha isaga oo aanay is dhimin awooddiisa wax soo saar; • Waa geed adag oo aan hadhin dhibaato kasta oo la soo daristana ka adkaada.	• Waxa uu u baahanyahay carro nafaqadeedu aad u sarrayso si uu wax soo saar fiican u yeesho. • Uma adkaysto biyo fadhiisiga wakhtiga dheer qaata. • Cusbada heerkeedu sarreeyo ayaa sun ku sumaw ku keenta fardaha iyo xoolaha yaryar sida adhiga.

Shaxda 84aad: Xidhmada Soo Saaridda Dalagga Caws Lo'aadka

Tirsi	Maaraynta Dalagga iyo Tilmaamihiisa	
1	Dhulka uu la Qabsaday	Meel walba oo tilmaamaha hoose leh
2	Baahida Roobka	200 – 600 mm
3	Joogga Dhulka	1500m ka sarreeya heerka badda iyo ka hoosba
4	Diyaarinta Dhulka	Carrada oo la furfuro ayaa aasaasi u ah billawga dalagga si uu si wanaagsan ugu koro
5	Beerista iyo kobcinta cawska	Dhulka ayaa abuurka lagu saydhaa billawga xilli roobaadka iyada oo hoos loo gelinao xaddi dhan 1cm ka dibna waa la aasaa
6	Xaddiga Abuurka (kg/ha)	0.5 – 4 kiilogaraam hektarkiiba
7	Bacrinaha iyo Bacrinta	100kg hektarkiiba oo DAP ah xilliga beeridda iyo 100kg Urea ka dib goor kasta oo la jaro geedka, sidoo kale waxa loo adeegsan karaa Digada xoolaha
8	Haramaynta	Beerista ka dib laba jeer oo bil loo dhaxaysiiyo ayaa la harameeyaa
9	Dhererka Geedka Xilliga Goynta	107cm
10	Maalmaha uu ku Bislaado	83 maalmood
11	Goynta	Si loo ilaaliyo tayada cawska waxa habboon in la jaro billawga ubaxaynta. 10cm meel ka sarraysa carrada ayaa laga jaraa cawska iyada labada jarisoodna loo dhexaysiinayo 20maalmood xilliga doogaadda halka roob la'aantana loo dhexaysiinayo 30cisho
12	Maxsuulka (q/ha)	25 kiilogaraam hektarkiiba
13	Sannadka la Tijaabiyay	2004 – 2007
14	Waxa loo soo Saaray Xaaladda DDS.	Waxa tijaabiyay Mac-hadka Cilmi-baadhista Xoolaha iyo Beeraha DDS iyo Xarumihiisa (Godey, Qallaafo, Doollo Addo, Jarrati Jigjiga, iyoFaafen.

6.4. CAWSKA ROODAS (RHODES GRASS) (Chloris gayana)

Shaxda 85aad: Muddeeyaha Beerista iyo Goynta Dalagga Cawska Roodaska (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	Rhodes Grass	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 86aad: Muddeeyaha Beerista iyo Goynta Dalagga Cawska Roodaska (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	Rhodes Grass	Beerista	Gu	September (Dhamm.)	October (Billaw)
		Goynta	Gu	December (End)	January (Billaw)
		Beerista	Dayr	March (Dhamm.)	April (Billaw)
		Beerista	Dayr	June (Dhamm.)	July (Billaw)

Shaxda 87aad: Tilmaamaha Calafka Roodaska

Tilmaamaha Calafka	Waxyaabaha Xaddida Bixitaanka Calafka
• Waa caws degdeg u kora lehna xidid qoto dheer. Waa caws jiri kara wakhti ka badan laba sano isla markaana laga heli karo wax soo sa aad u badan • Waxa uu u adkaystaa abaarta iyo cusbuda • Waxa uu u adkaystaa biyo-fadhiisiga xilliyaysan • Dhul cimiladiisu kala duwantahay ayuu la qabsadaa waxa uuna adkaysi u leeyahay qabawga • Waxa uu adkaysi u leeyahay jaridda iyo daaqista xoolaha ee culus • Waa caws ay xooluhu aad u jecelyihiin isla markaana leh qiimo nafaqo oo wanaagsan	• Waa caws aad ugu nugul hadhka/hooska • Waxa uu u baahanyahay carro nafaqadeedu aad u sarrayso

Dalagga (Crop): Cawska Roodas (Rhodes grass) (*Chloris gayana*)

Shaxda 88aad: Xidhmada Soo Saaridda Calafka Roodasaka

Tirsi	Maaraynta Dalagga iyo Tilmaamihiisa	
1	Dhulka uu la Qabsaday	Meel kasta oo leh tilmaamaha hoose
2	Baahida Roobka	200 – 600 mm
3	Joogga Dhulka	1500 m ka sarreeya heerka badda iyo ka hoosba
4	Diyaarinta Dhulka	Aslaax si fiican loo qoday lana jilciyay
5	Beerista iyo kobcinta cawska	Waxa laga beeri karaa qayb ka mid ah cawska ama abuur ayaa laga beeri karaa iyada oo aan midhaha dhulka hoos loo gelinnin wax ka badan 2cm.
6	Xaddiga Abuurka (kg/ha)	1 – 4 kiiloogaraam hektarkiiba
7	Bacrinaha iyo Bacrinta	100kg DAP xilliga beerista iyo 100kg Urea jaris kasta ka dib
8	Haramaynta	Beerista ka dib laba jeer oo bil loo dhaxaysiiyo ayaa la harameeyaa
9	Dhererka Geedka Xilliga Goynta	113cm
10	Maalmaha uu ku Bislaado	100 maalmood
11	Goynta	Jar wakhti aan ka danbaynin ubaxaynta (6bilood) ka dib beerista ka dibna 2dii biloodba mar si loo ilaaliyo tayada cawska
12	Maxsuulka (q/ha)	26 kiintaal hektarkiiba
13	Sannadka la Tijaabiyay	2004 – 2007
14	Waxa loo soo Saaray Xaaladda DDS.	Waxa tijaabiyay Mac-hadka Cilmi-baadhista Xoolaha iyo Beeraha DDS iyo Xarumihiisa (Godey, Qallaafo, Doollo Addo, Jarrati Jigjiga, iyo Faafen.

6.5. BAANIKAM (PANICUM) (Panicum coloratum L.)

Shaxda 89aad: Muddeeyaha Beerista iyo Goynta Dalagga Baanikamka (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	Baanikam	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Shaxda 90aad: Muddeeyaha Beerista iyo Goynta Dalagga Baanikamka (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	**Baanikam**	Beerista	Gu	September (Dhamm.)	October (Billaw)
		Goynta	Gu	December (End)	January (Billaw)
		Beerista	Dayr	March (Dhamm.)	April (Billaw)
		Beerista	Dayr	June (Dhamm.)	July (Billaw)

Shaxda 91aad: Tilmaamaha Calafka Baanikamka

Tilmaamaha Calafka	Waxyaabaha Xaddida Bixitaanka Calafka
• Waa caws si cufan u baxa, cimrigiisu ka badanyahay laba sano, qaabka bixitaankiisu isbeddel leeyahay, dhererkiisuna gaadho ugu badnaan ilaa 150 cm. • Waxa uu la qabsaday dhulka hoosaadka qallalan ee uu ka da'o roob dhan (<400 mm) sannadkii. Sidoo kale waxa uu la qabsaday dhulalka bananka ah iyo dooxooyinka dhoobeyda ah.	• Waxa uu u nugulyahay haamadayga; • Waxa uu u baahanyahay in sariirta abuurka (waa meesha abuurka la dhigayo) si aad ah loo diyaariyo.

Shaxda 92aad: Xidhmada Soo Saarista Dalagga Baanikamka

Tirsi	Maaraynta Dalagga iyo Tilmaamihiisa	
1	Dhulka uu la Qabsaday	Meel kasta oo leh tilmaamaha hoose
2	Baahida Roobka	200 – 600 mm
3	Joogga Dhulka	1500m ka sarreeya heerka badda iyo ka hoosba
4	Heerkulka ku Habboon	17 – 21ºC (Digrii oo ah cabbirka heerkulka)
5	Nooca Carrada ku Habboon	Ciidda guduudan iyo tan Dhoobayda madaw intaba.
6	Diyaarinta Dhulka	Abuurka ayaa laga tarminayaa, waxaana carrada hoos loo gelin 2cm. Waxa laga tarmin karaa caws la rujiyay oo xididkiisa wata.
7	Xaddiga Abuurka (kg/ha)	Saydhis 5 – 7 kiiloogaraam hektarkiiba, ama 2 – 3 kg/ ha sadar ku beerka.
8	Bacrinaha iyo Bacrinta	Isticmaalka Naytaroojiinta (N) ayaa u wacan cawskani iyada oo la adeegsanayo 23kg/ha marka uu gaadho 100cisho.
9	Dhererka Geedka Xilliga Goynta	105cm
10	Maalmaha uu ku Bislaado	80 maalmood
11	Maxsuulka (q/ha)	15 kiintaal hektarkiiba
12	Sannadka la Tijaabiyay	2002
13	Waxa loo soo Saaray Xaaladda DDS.	Waxa tijaabiyay Mac-hadka Cilmi-baadhista Xoolaha iyo Beeraha DDS iyo Xarumihiisa (Godey, Qallaafo, Doollo Addo, Jarrati Jigjiga, iyo Faafen.

6.5. LABLAB (DOLICIUS LABLAB) (Lablab purpureus)

Shaxda 93aad: Muddeeyaha Beerista iyo Goynta Dalagga Lablabka (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Siti Iyo Faafan	Baanikam	Beerista	Gu	March (Dhamm.)	April (Billaw)
		Goynta	Gu	June (Dhamm.)	July (Billaw)
		Beerista	Karan	July (Dhexda)	July (Dhamm.)
		Goynta	Karan	September (Dhexda)	September (Dhamm.)

Dalagga (Crop): Lablab (Dolicius Lablab) (*Lablab purpureus*)

Shaxda 94aad: Muddeeyaha Beerista iyo Goynta Dalagga Lablabka (Crop Calendar)

Gobolka	Dalagga	Wakhtiga	Xilliga	Billawga	Dhammaadka
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo		Beerista	Gu	September (Dhamm.)	October (Billaw)
		Goynta	Gu	December (End)	January (Billaw)
		Beerista	Dayr	March (Dhamm.)	April (Billaw)
		Beerista	Dayr	June (Dhamm.)	July (Billaw)

Shaxda 95aad: Tilmaamaha Calafka Lablabka

Tilmaamaha Calafka	Waxyaabaha Xaddida Bixitaanka Calafka
• Calafkan ayaa ku tilmaaman ubaxayn daahda, caleemo ballaadhan, ubax cad iyo midho midabkoodu yahay bunni fudud/khafiif ah. • Waa geed si baaxad leh u baxa, isku marma, cimrigiisu sannadle yahay ama laba sano muddo gaaban dhaafi kara. • Waa calaf koritaankiisu dagdeg yahay isla markaana calfkiisa la intifaacsado muddo 3 bilood ah. • Geedkan ayaa ah mid adkaysi u leh abaarta kuna abtirsada bahda digiraha. • Waxa uu u adkaystaa heerkulka qabaw.	• Calafka lablabku lama qabsado meelaha biyo fadhiisiga ah. • Lama qabsado meelaha uu haamadaygu ka dhaco. • Lama qabsado meelaha uu ka da'o roobka xooggani. • Kuma fiicna in qaran laga dhigo sidaana loo isticmaalo. • Waxa uu xoolaha u sababaa bakhakh haddii lagu calfiyo xaddi badan goorta uu qoyanyahay ama uu cagaarka yahay.

• Waxa uu dib u soo celiyaa nafaqada carrada (maadaama uu digir yahay) waxaana loo adeegsan karaa daaqitaan toos ah ama in la jaro xoolahana loo dhigo.	

Shaxda 96aad: Xidhmada Soo Saarista Dalagga Lablabka

Tirsi	Maaraynta Dalagga iyo Tilmaamihiisa	
1	Dhulka uu la Qabsaday	Meel kasta oo leh tilmaamaha hoose
2	Baahida Roobka	200 – 600 mm
3	Joogga Dhulka	1500 m ka sarreeya heerka badda iyo ka hoosba
4	Diyaarinta Dhulka	Ku beer dhul si fiican loo diyaariyay/qoday/rogay
5	Beerista iyo Kobcinta Dalagga	Saydhista ku beer abuurkana hoos dhulka u geli ilaa 3 cm ka dibna carro ku ded/dabool.
6	Xaddiga Abuurka (kg/ha)	30 kiiloogaraam hektarkiiba
7	Bacrinaha iyo Bacrinta	100kg/ha oo DAP ah ama digo ku nafaqee.
8	Haramaynta	Billawga koritaankiisa dhakhso uma koro geedkani sidaasi awgeed 3 da toddobaad ee ugu horraysa beeritaanka ka dib hal mar haramee.
9	Dhererka Geedka Xilliga Goynta	107cm
10	Maalmaha uu ku Bislaado	56 maalmood
11	Goynta	Waxa la goynayaa goorta uu ubaxaynayo oo ah qiyaasta 3 bilood ka dib beeritaanka.
12	Maxsuulka (q/ha)	16 kiintaal hektarkiiba
13	Sannadka la Tijaabiyay	2002 – 2005
14	Waxa loo soo Saaray Xaaladda DDS.	Waxa tijaabiyay Mac-hadka Cilmi-baadhista Xoolaha iyo Beeraha DDS iyo Xarumihiisa (Godey, Qallaafo, Doollo Addo, Jarrati Jigjiga, iyo Faafen.

6.6. CALAFKA ALFALFA (ALFALFA) (Medicago sativa)

Shaxda 97aad. Muddeeyaha Beerista iyo Goynta Calafka Alfalfa (Crop Calendar) Ee Gobollada Ay Karantu Ka Da'do

Gobolka	Dalagga	Xilliga	Billawga	Dhammaadka	Wakhtiga
Siti Iyo Faafan	***ALFALFA***	Gu	March (Dhamm.)	April (Billaw)	Beerista
		Gu	June (Dhamm.)	July (Billaw)	Goynta
		Karan	July (Dhexda)	July (Dhamm.)	Beerista
		Karan	September (Dhexda)	September (Dhamm.)	Goynta

Shaxda 98aad. Muddeeyaha Beerista iyo Goynta Calafka Alfalfa (Crop Calendar) Ee Gobollada Ay Dayrtu Ka Da'do

Gobolka	Dalagga	Xilliga	Billawga	Dhammaadka	Wakhtiga
Jerer, Qorraxay, Nogob, Afdheer, Erer, Liibaan, Daawa, Shabeelle Iyo Doollo	Alfalfa	Gu	March (Dhamm.)	April (Billaw)	Beerista
		Gu	June (Dhamm.)	July (Billaw)	Goynta
		Dayr	September (Dhamm.)	October (Billaw)	Beerista
		Dayr	December (Dhamm.)	January (Billaw)	Goynta

Shaxda 99aad: Tilmaamaha Calafka Alfalfa

Tilmaamaha Calafka	Waxyaabaha Xaddida Bixitaanka Calafka
• Waa dalag bixiya xidid qoto dheer hoosna aad ugu aroora dhulka cimrigiisuna gaadho wax ka badan laba sano, adkaysi leh kuna abtirsada bahda digiraha. • Cimila-beereedka uu la qabsado dalaggani ayaa ah mid aad u baahsan. • Alfalfahu waa geed ay xooluhu aad u jecelyihiin calfashadiisa isla markaana aad u nafaqo badan oo qani ku ah maaddada Barootiinka. • Waa dalag si aad ah ugu habboon in la habeeyo oo la kaydiyo (caws ahaan ama isaga oo qoyaan la huuriyo) isla markaana si toos ah ay duunayadu u daaqi karto.	• Dalaggani adkaysi uma laha daaqista joogtada ah. • Waxa liita adkaysiga uu u leeyahay abaarta waxa uuna u baahanyahay biyo joogto ah sannadka oo idil si uu u yeesho wax soo saar habboon. • Si fiican uguma adkaysto carrooyinka cusbada leh iyo biyo fadhiisiga. • Waxa uu u nugulyahay cudurrada iyo cayayaankaba. • Cudurka Bakhakha ee uu calafkani Alfalfa u sababo xoolaha ayaa ah waxa ugu badan ee xaddida daaqistiisa.

Shaxda 100aad. Xidhmada Soo Saarista Calafka Alfalfaha

Tirsi	Maaraynta Dalagga iyo Tilmaamihiisa	
1	Dhulka uu la Qabsaday	Meel kasta oo leh tilmaamaha hoose
2	Baahida Roobka	200 – 600 mm
3	Joogga Dhulka	1500 m ka sarreeya heerka badda iyo ka hoosba
4	Diyaarinta Dhulka	Dhul beereed si fiican loo qoday, siman iyo halka abuurka la dhigayo oo aad u habaysan ayaa u wacan.
5	Beerista iyo Kobcinta Dalagga	Saydh abuurka ama ku daadi sadrka dushiisa ama ku dul beer takaariga adiga oo isu jirsiinaya 55 – 72cm.
6	Xaddiga Abuurka (kg/ha)	Roobka: 10 – 12 kiiloogaraam hektarkiiba ama Waraabka: 12 – 20kg hektarkiiba.
7	Bacrinaha iyo Bacrinta	Waxa la isticmaali karaa 100kg hektarkiiba.
8	Dhererka Geedka Xilliga Goynta	86cm
9	Maalmaha uu ku Bislaado	56 maalmood
10	Goynta	Marka laga doonayo bal qallalayl lagu kaydiyo waxa

		laga jaraa meel dhulka ka sarraysa 5cm xilliga uu soo saaro ubaxa ugu horreeya.
11	Maxsuulka (q/ha)	7 kiintaal hektarkiiba
12	Sannadka la Tijaabiyay	2002 ilaa intii ka danbaysay
13	Waxa loo soo Saaray Xaaladda DDS.	Waxa tijaabiyay Mac-hadka Cilmi-baadhista Xoolaha iyo Beeraha DDS iyo Xarumihiisa (Godey, Qallaafo, Doollo Addo, Jarrati Jigjiga, iyo Faafan.