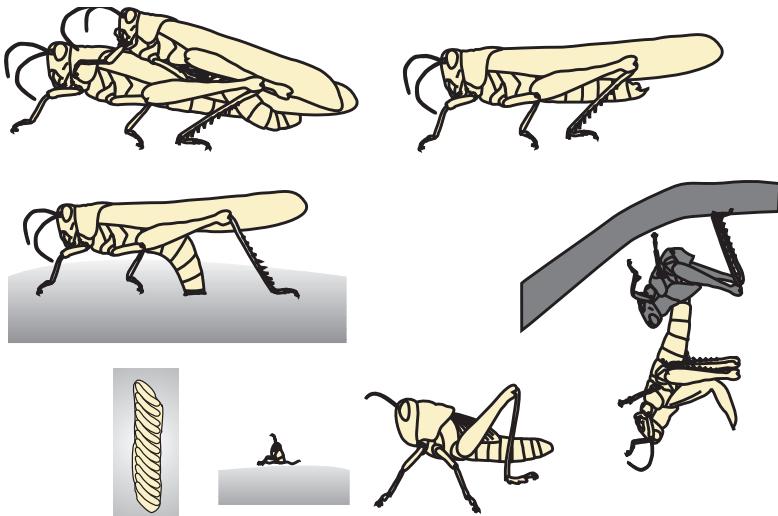




Food and Agriculture Organization
of the United Nations



**Nidaamyada Hawlgalka Rasmiga ah (NHR)
Dabeeecada & Noole-barashada Ayaxa
Lama-dagaanka**

**Nidaamyada Hawlgalka Rasmiga ah(NHR)
Dabeeecada & Noole-barashada
Ayaxa Lama-dagaanka**

**Waxaa soo diyaariyey:
Hay'ada Beeraha & Cuntada
ee Qaramada Midoobey (FAO)**

Waxaa kharashka ku turjumida
Af-soomaaliga ku deeqey:
Hay'ada Horumarinta Samofalka
Jarmalka (GIZ)
Waxaa turjumey:
Axmed Maxamuud Cabdi
(Filibin)

August, 2021
Jigjiga, Itoobiya

Aqoonsiga tilmaameed ee la sameeyay iyo soo bandhigida macluumaadka waxyaabaha ku jira qoraalkan macnaheedu ma aha mid muujinaysa ra'yi kasta/waxwalba oo ah dhinaca Hay'ada Cuntada iyo Beeraha ee Qaramada Midooabay (FAO/HBC) ee ku saabsan sharciga ama xaalada horumarka dal kasta, dhul, magaalo, aag ama maamulkeeda, ama ku saabsan soohdinta ama soohdimathaeda. Sheegida shirkado gaar ah ama alaabada soosaarayaasha, macnaheedu ma ahan in kuwani ay taageertay ama ay kadoorbiday FAO/HBC

kuwa kale ee la midka ah dabeeecadaha aan la xusin. Aragtiyada lagu muujiyey walaxdan macluumaadka waa kuwa qoraaga/qorayaasha ugaar ah kamana tarjumayaan aragtiyada ama siyaasada FAO/HBC FAO/HBC waxay dhiirigalineysaa isticmaalka, soo saarista iyo faafinta walxaha ku jira badeecadan macluumaadka ah. Marka laga reebo halka kale ee lagu muujiyey, maaddada waa la koobiyeyn/nuqulkasaari karaa, la soo dejinsan karaa lana daabici karaa daraasad gaar loo leeyahay, cilmi-baadhis iyo ujeedo waxbaris, ama adeegsiga alaaboojin ama adeegyo aan ganacsi ahayn, iyadoo la bixinayo/la xusayo aqoonsiga ku habboonee FAO/HBC waa asalka iyo qofka leh xuquuqda lahaanshaha la siiyay iyo in ogolaanshaha aragtiyaha, waxsoosaarka ama adeegyada isticmaalayaashu sinnaba ugama muuqdaan.

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Nidaamyada Hawlgalka Rasmiga ah

Dabeeecada & Noole-barashada Ayaxa Lama-dagaanka

Ujeedada

Ujeedada Nidaamyada Hawlgalka Rasmiga ah (SOP/NHR) ee Noole-barashada iyo Dabeeecada Ayaxa Lama-dagaanka waa inuu ka siyo fahan guud xogta aasaasiga ah ee Noole-barashada iyo dabeeecada Ayaxa Lama-dagaanka. SOP/NHR kani waxaa loogu talogaley hawladeenada shaqo-baxa kuwaas oo ku lug leh hawlgalada sahaminta iyo xakameynta. Wuxuu la xidhiidha **Habraacyada Ayaxa Lama-dagaanka ee FAO/HBC**

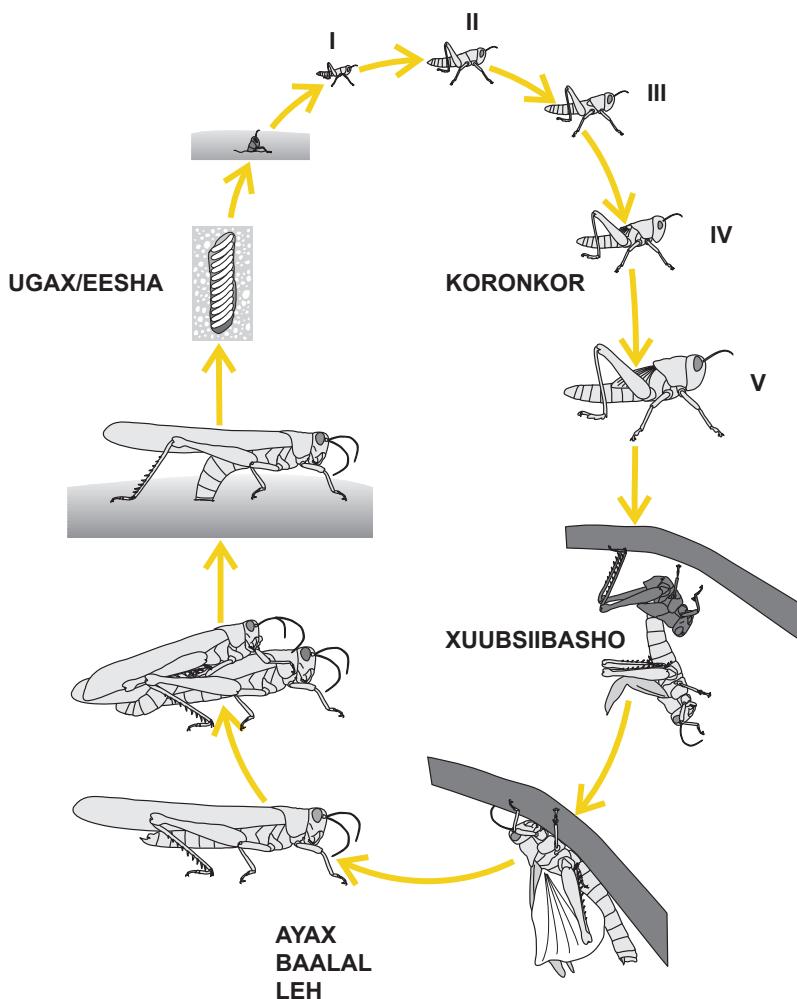
Mowduucyda soo socda ayuu ka kooban yahay:

- meerto-nololeed
- dabeeecada ayaxa-baalasha leh iyo koronkorta
- isku dhafnaanta
- duulaanka iyo taranka

1. Su'aalaha marwalba la isweydiyo ee ayaxa

- Ayaxa lama-dagaanku wuxuu ka mid yahay bahda kabajaanka balse wuxuu kaga duwan yahay kabajaanka wadiiqooyin dhovr ah
- Hab-nolaanshaha iyo dabeeecada ayaxa lama-dagaanku kolba wuu isgadgadiyaa gaar ahaan midabkiisa iyo qaabkiisuba taas oo la xidhiidha isbedelka xajmigiisa/culeyskiisa ee ay keenaan deegaanka iyo taranku
- Ayaxa baalasha leh wuxuu sameeya raxan kaas oo u dhaqma si kali ah, unug-wadaag iyo inuu u duuli karo illaa 150 km maalinkiiba
- Kuwa aan baadasha lahayn ama koronkoradu waxay sameysaa mawjado fara-badan taas oo ku sugnaaneysa islamarkaana sijitaan ku gaadhaysa iyadoo ah unug-wadaag illaa 1.7 km maalinkiiba
- **Laba marxaladood:** kalinimo iyo isku-dhafnaan lehna marxalad kala-guur loona yaqaano ku-meelgaadh
- Sida caadiga ah ayaxu wuxuu nooladaa ilaa saddex bilood balse wuxuu noolaan karaa illaa sagaal bilood marka cimiladu qalleyl iyo qabow-sahlan leedahay
- Ayaxu wuxuu kordhaa 16-20 jeer taran jiil walba oo cusub, waa korodh xawli ah, natijadeeduna ay tahay in saddex bilood kaddib -20 jeer ayax ka badan, lix bilood kaddib – 400 oo jeer ka badan, sagaal bilood kaddib – 8,000 oo jeer ka badan, iyo si la mida
- Raxan ayaxa-duula oo 1 km² ku dagey wuxuu ka kooban tahay 40-80 milyan waxayna quudan karaan 35000 qof ku filan xiddi cunto oo u dhiganta maalinkiiba
- Ayaxa baalasha leh wuxuu u duulaa jihada dabeysu u socoto isago ka sareeyaa 2000 m jooga dhulka

2. Meertada-nololeed



2. Meertada-nololeed

Xaalada caadiga ah ee xadiga koritaanka celcelis ahaan

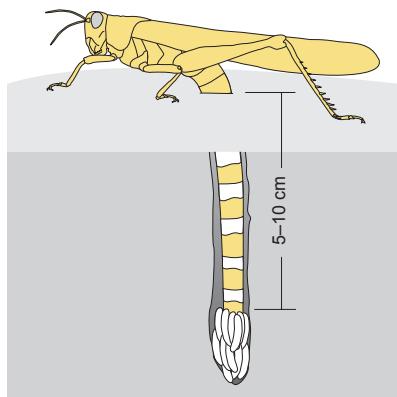
UGAX/EEL:
2 todobaad

KORONKORTA:
6 todobaad

AYAXA WEYN:
4 todobaad

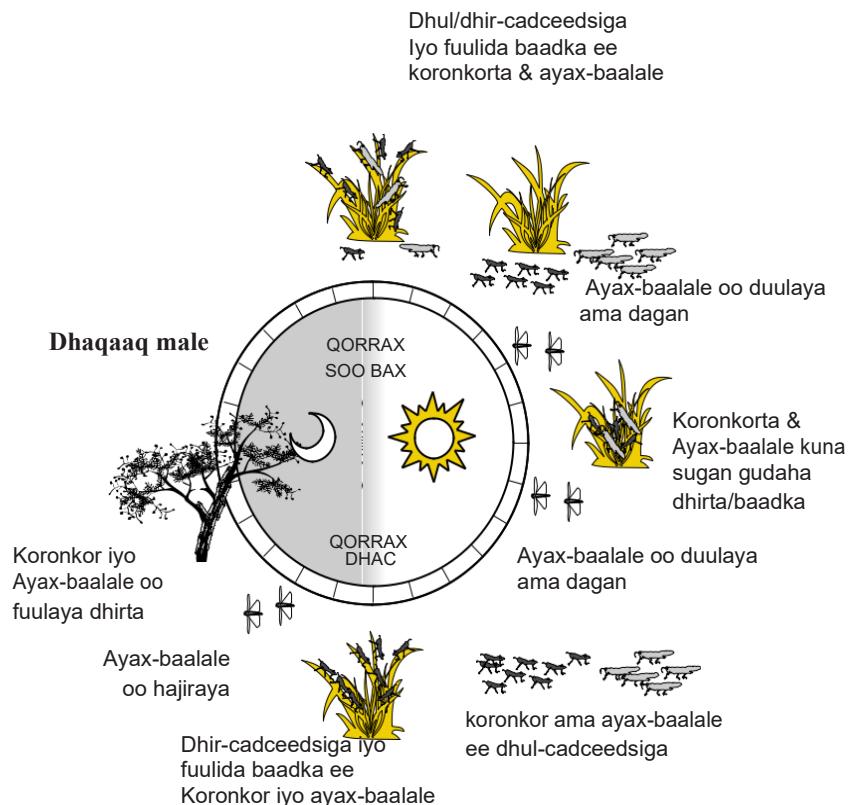
1. Ugaxaanta/eesha dhedigu ay dhasho/dhigto, waxay qadataa iney ku dilaacdoo laba todobaad markey cimiladu diirimaad tahay balse marka heer-kulku sareeyo 10 cisho ama waxay qaadanaysa heer-kulka hoose/qabow-sahlan ilaa 65 cisho
2. Uguxaantu/eeshu markey dilaacdoo waxay noqotaa ayax aan baalal laheyn oo ah koronkor taas oo marta 5-6 darajo oo midba midka ku xiga uu ka weyn yahay, darajo walba ilaa hal todobaad ayey qadataa waxaana loo yaqanaa darajooinka koronkorada
3. Darajada ugu dambeysa ee 5^{aad}/6^{aad} ee aan baadad-lahayn una gudbaysa ayax baadad leh waxaa loo yaqanaa xuub-siibasho. Ayaxa xuub-siibtey baadashiisu way jilicsan yihii. Waxay qaadataa illaa tobann cisho si ay baadashu ugu adkadaan una suurawdo duullaan fogaan dheer iyo duulimaad rasmi ah
4. Ayaxa baadasha leh ma kobco/koro cabir ahaan laakiin si tartiib ah ayuu culeyskiisu u kordhaa. Bilowga, jinsi ahaan ma tarmayo iyo inuu sii ahaado illaa ay xaalad la kulmaan oo ah roob kaas oo kicinaya/suurogalinaya inuu taran sameeyo. Mudada uu taran ku sameyn karo aad ayey u kala gadisan tahay, waxayna ku xidhan tahay xaalada deegaanka iyo waxaa kale oo ay ku lug leedahay inuu u duulo goob kale taas oo ay ka jiraan xaalado aad ugu habboon. Xaaladuhu markey dhexdhexaad yihii, ayaxa-duula wuxuu taran ku sameyn karaa iyo dhalitaan diyaar u ahaanshababa kaddib, muddo saddex todobaad ah balse tani way sii dheeraan kartaa illaa sagaal bilood oo leh qabow, cimilo qallalan iyo xaaladaha deegaanka oo aan ku habbooneyn.

3. Dhalitaanka ugaxaanta/eesha



- Dhedigu waxay carada niista ee bannaan si teelteel ah rucubtaugax-aanta/(eesha) ugu dhalaan hoosna u galinayaan/dhasayaan 5-10 sm oogada dhulka ka hooseysa. Waxayna ubacdeeda dambe baari-taanka ugu horeeya ku tijaabineysa in caradu reys/qoyaan leedahay
- Badanaa dhedigu waxay dhashaa 2-3 rucubyo, mid walba wuxuu ka kooban yahay 90-160 ugaxaan (kalinimo) ama 80 ugaxaan (isku-dhafan)
- Waxaa u dhaxeeyaa xiliga dhalitaanka 6-11 cisho
- Dhediga kalinimadu waxay wadar ahaan dhashaa 400 ugaxaan hal-ka dhediga iskudhafku ay dhalaan 140 ugaxaan
- Dhimashada ugaxaantu waxay u dhaxeysa 5-65% taas oo ay sa-babaan qadhaabsiga, dulinka, dalool-la'aan, dabeysha, daadasha iyo abaarta
- Iney ugaxaantu dilaacdoo waxay qaadan kartaa 10-65 cisho; badanaa xaaladu markey caadi tahay waxay qaadataa laba todobaad

4. Koronkorta & Ayaxa weyn (baalasha leh/baalale)



Ayaxa iyo koronkorta kalnimadu markay daruur jirto way firfircooni yar yihiin ama saacadaha hore ee qabowga aroortii. Waxay raadiyaan hadhka gudaha ee dhirta/baadka marka lagu jiro maalmaha kuleylka daran.

5. Isbedelka wajiyada



Ayaxa Lama-dagaanku sida caadiga ah kalinimo ayaa loo helaa. Markay korodhko tirada tarankiisu, waxay u kooxeystaan si koox culus ah iyo noqoshada isku dhafnaan. Badanaa ayaxu wuxuu qaataa laba taran jiil kahor isku-dhafnaanta buuxda.

5. Isbedelka wajiyada

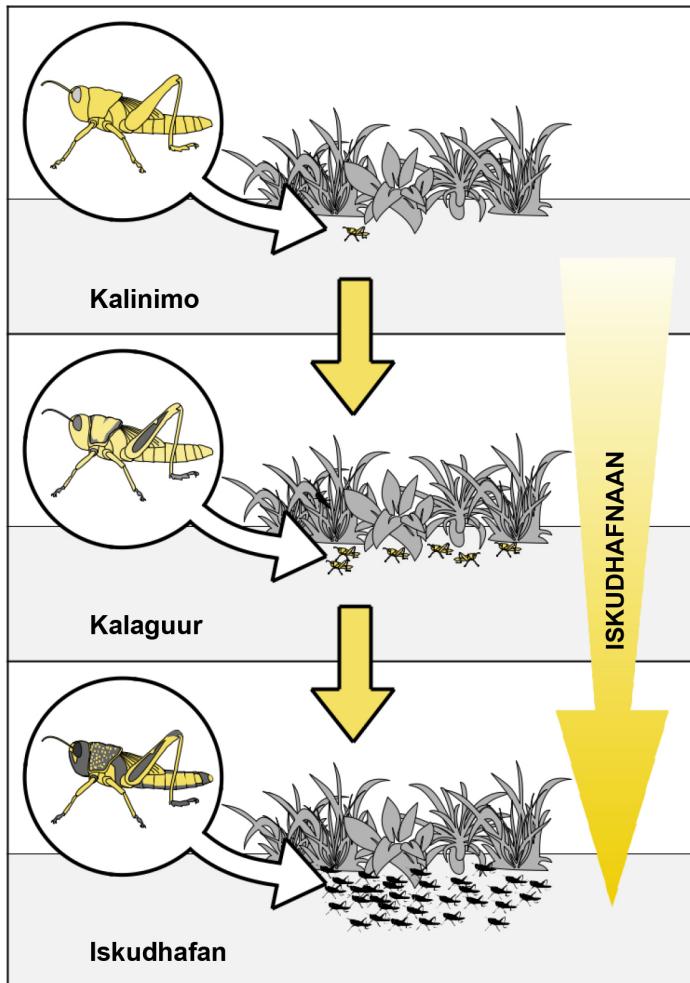
Ayaxa dabeeecadiisu way isbadashaa waxayna la xidhiidhaa deegaanka iyo tiradiisa. Waxaa sameysma kooxo dhammaadka xiliga taranka marka qallaylka dhirtu bilaabanto. Tani waa tilmaan muhiima oo ah inuu sii socdo isku-dhafnaanshuu.

	KALINIMO	ISKU-DHAFAN
Rucub walba oo ugaxaana	90-160	80
Midabka soo dilaacaya	saafi ama nadif	madow
Midabka koronkorta	cagaar	jaalle/madow
Darajooyinka koronkorta	6	5
Koritaanka koronkorta	34-45 cisho	25-57 cisho
Baro-baxa mawjada	-	1-100 m/maalinkiiba
Midabka ayaxa aan tarmin	bunni/brownish	Casaan-basali/pinkish
Midabka ayaxa tarmaya	bunni/brownish	aalle/yellow
Tarangaadhida ayaxa	3-24 todobaad	3-24 todobaad
Duulitaanka ayax-baalele	xiliga habeenkii	maalinkii

**Midabka ayaxa ee marxalada kumeelgaadhka ahi
waa iskujirka midabada kalinimo iyo iskudhafnida:**

- Koronkor cagaara oo leh calaamado madow
- Ayaxa buniga ee dhali karin lehna calaamado casaan-basaliya
- Ayaxa buniga ee dhali kara lehna calaamado jaalle ah

6. Iskudhafnaanta koronkorta

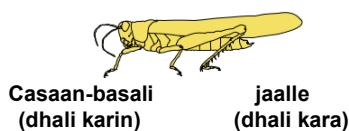
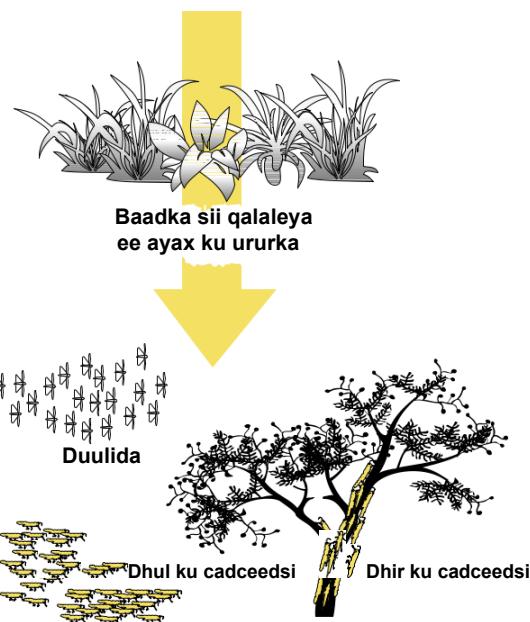


7. Iskudhafnaanta ayaxa weyn (baalale)

kalinimo



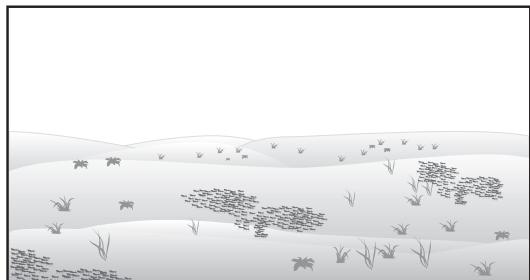
Bunni fudud, midab carro-niisa leh



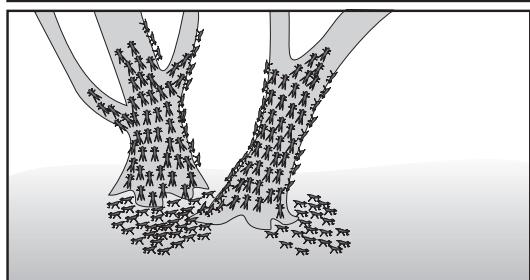
Casaan-basali
(dhali karin)

jaalle
(dhali kara)

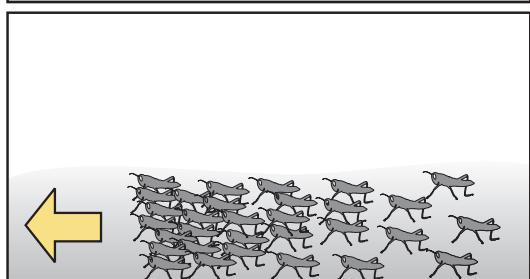
8. Dabeeecada mowjada koronkorta



1. Waxyar kaddib dilaaca
koronkorta burar
sameyska
madow ee yara
cufan

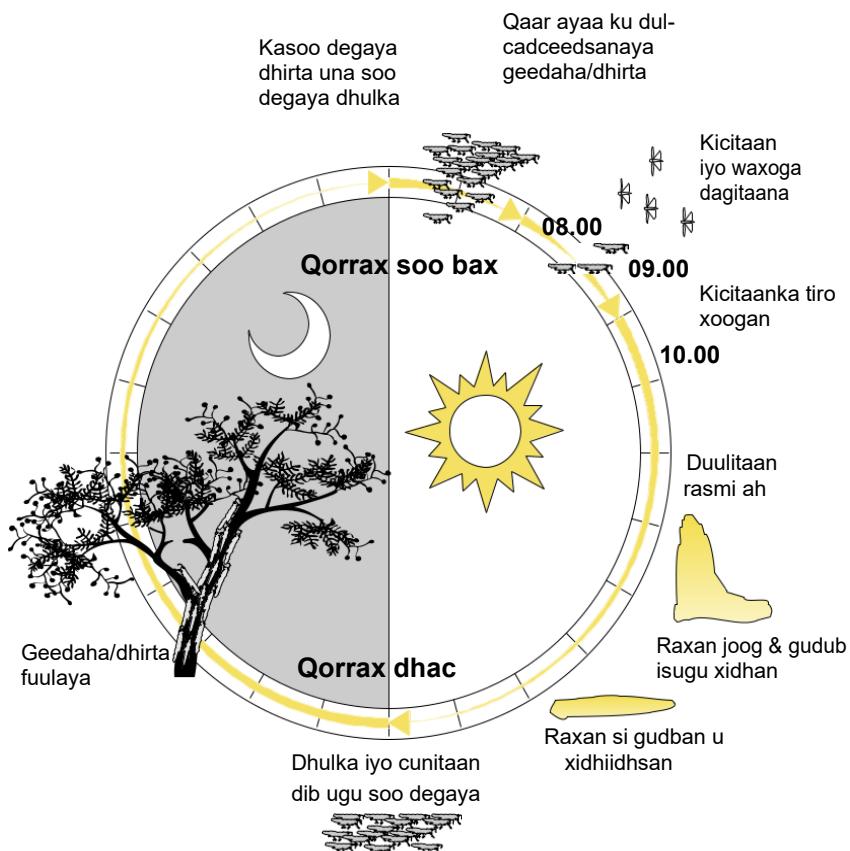


2. Burar iskudarsan
sameynaya
una gudbaya
mawjad weyn

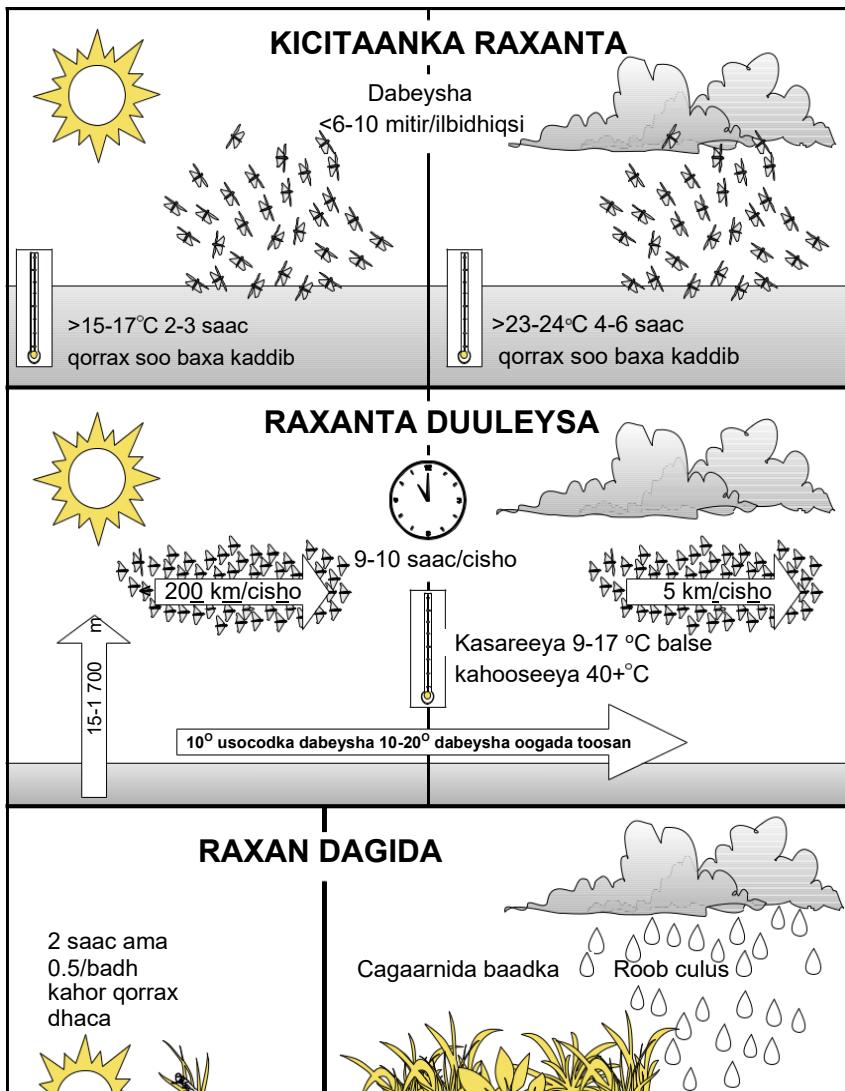


3. Koronkor mawjado
ah oo wadajir ugu
dhaqaaqa joho
isku mid ah

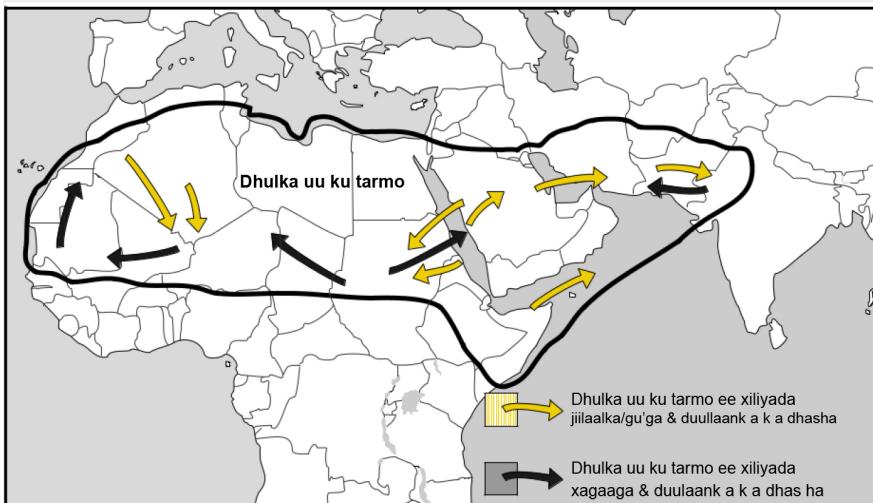
9. Dabeeecada raxanta ayaxa



10. Duulitaanka raxanta ayaxa



11. Duulaanka iyo taranka



Taranka xiliga xagaaga/karanta (June/July – October)

1. Galbeedka Afrika ee saaxil; illaa Eriteriya; xuduuda BakistanHindiya

Taranka xiliga deyrta/jiilaalka (October/November – March)

2. Badda cas iyo Xeebta bannaan ee Gacanka Cadan s

Taranka xiliga gu'ga (March/April – June)

3. Gudaha Gacanka Carbeed ; Koonfur-bari ee Iran iyo koonfur-galbee Bakistan; koonfurta buuraha Atlas

