



FEED THE FUTURE

The U.S. Government's Global Hunger & Food Security Initiative

ESTABLISHING AND GROWING A PRODUCTIVE GARDEN LESSON PLANS: JOB AID

Feed the Future Ethiopia Livelihoods for Resilience - Oromia



USAID
FROM THE AMERICAN PEOPLE

**CRS**
CATHOLIC RELIEF SERVICES



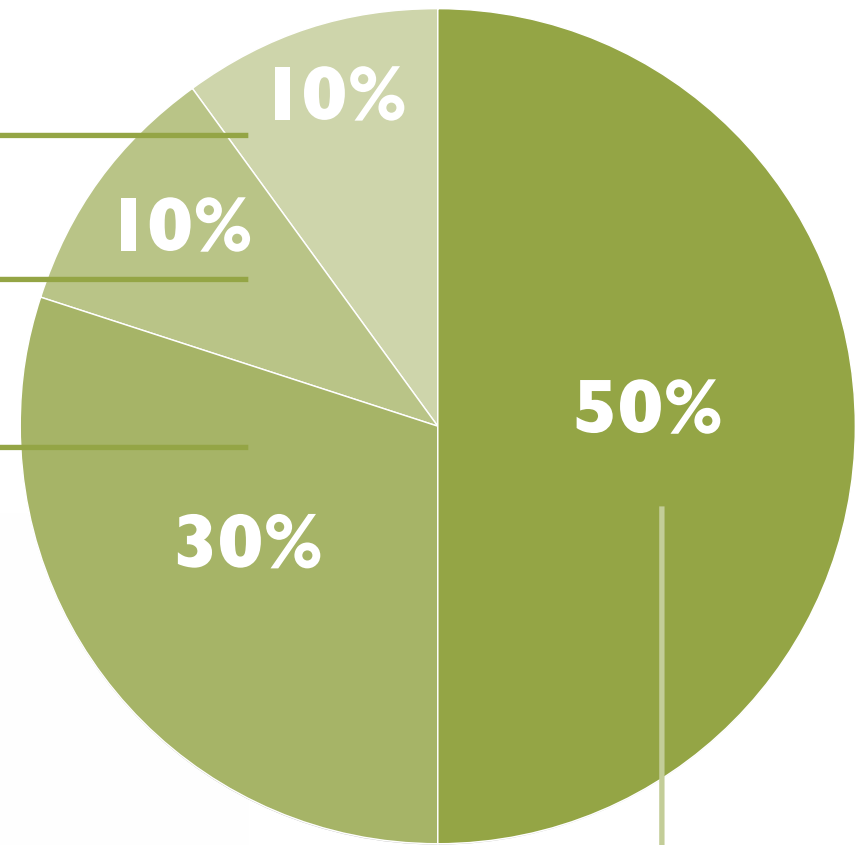
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Animal-sourced foods or legumes
Nyaataawwa n horil irraa argaman

Oils
Zayita

Fruit and vegetables
Muduraa fi kuduraa



Staples
Nyaataaw wan idilee



Example of a completed seasonal calendar

Food group	Type	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	CU2	PLW
Staples	Maize	X LM	X LM	XXX H	XXX H	XXX H	X H	X H	X H	X H	X LM	X LM	X	X	X
	Wheat	X LM	X LM	XXX H	XXX H	XXX H	X H	X H	X H	X H	X LM	X LM	X	X	X
Legumes/ nuts	Haricot beans	X LM	X LM	XXX H	XXX H	XXX H	XXX H	X H	X H	X H	X LM	X LM		X	X

Kalaandarii nyaataa shaakala kanaaf jecha akka fakkeenyaatti guutame

Garee Nyaataa	Gosa	Ful	Onk	Sada	Mud	Ama	Gur	Bit	Eebl	Caam	Wax	Ado	Hag	IW2G	DUH
Nyaatawwan idilee	Boqqol- loo	X LM	X LM	XXX H	XXX H	XXX H	X H	X H	X H	X H	X LM	X LM	X	X	X
	Qamadii	X LM	X LM	XXX H	XXX H	XXX H	X H	X H	X H	X H	X LM	X LM	X	X	X
Nyaatawwan kanneen akka Ocholoonii	Otong- oree/ lojoo	X LM	X LM	XXX H	XXX H	XXX H	XXX H	X H	X H	X H	X LM	X LM		X	X

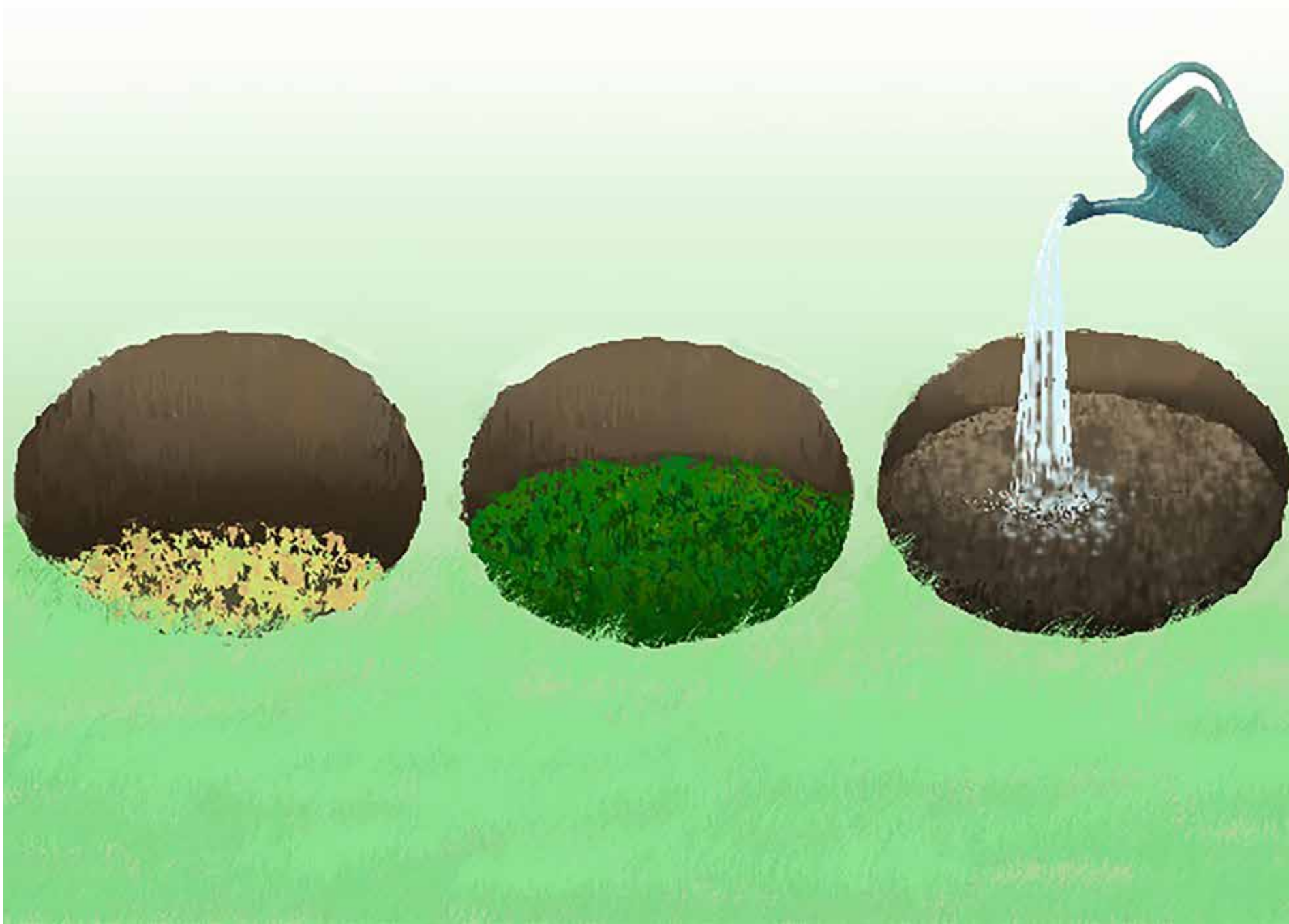








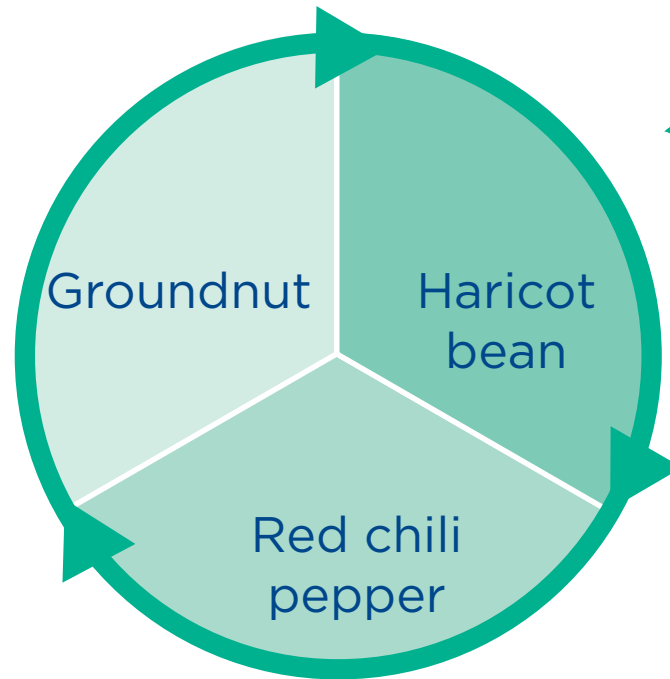
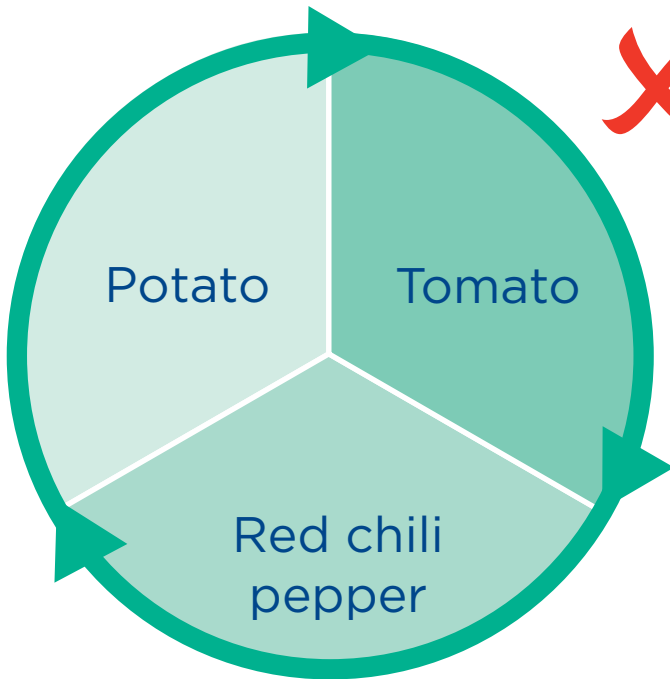
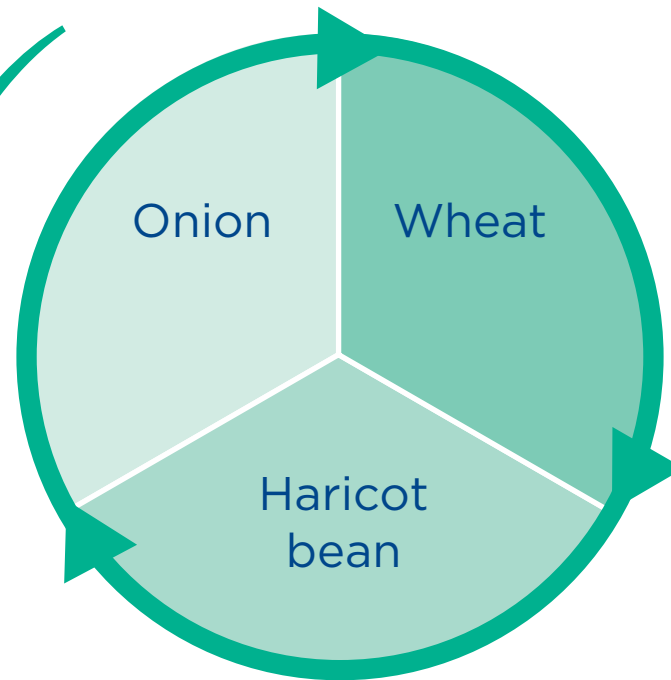
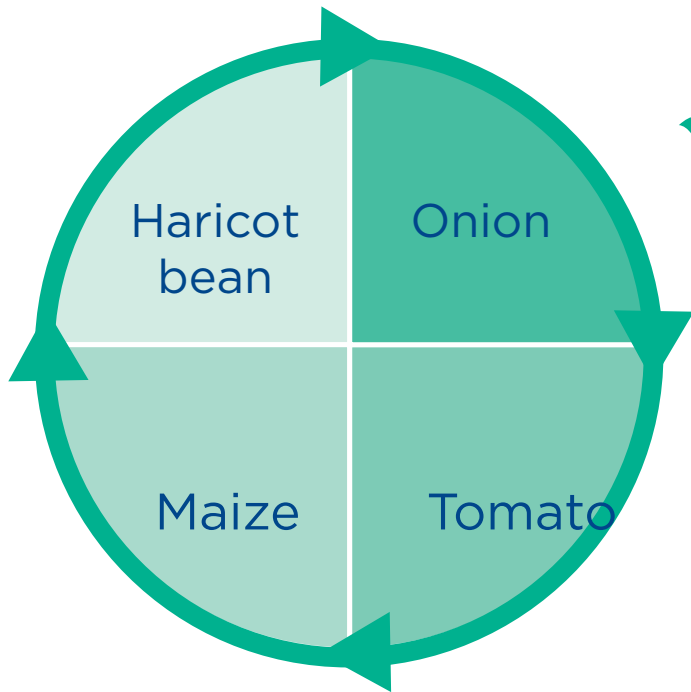


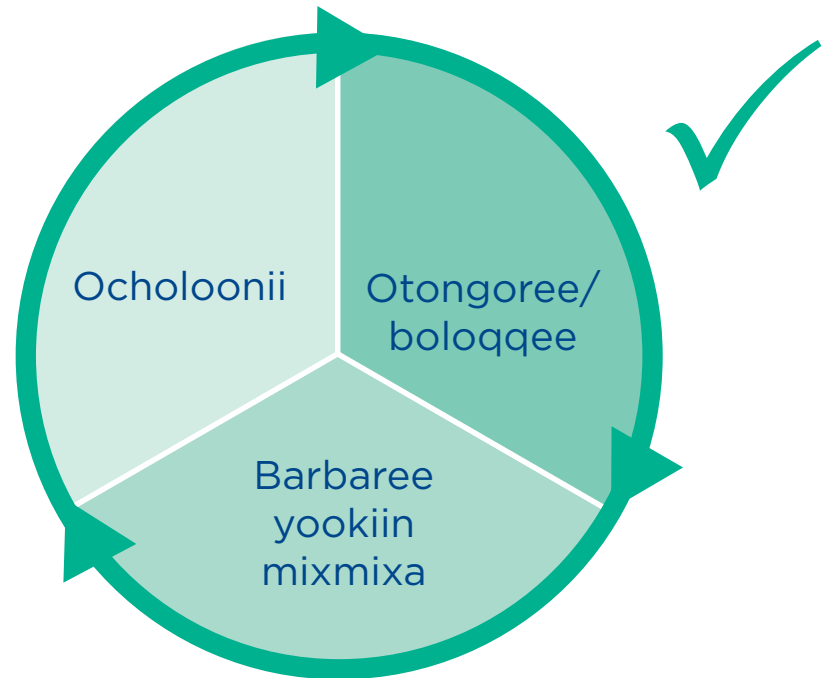
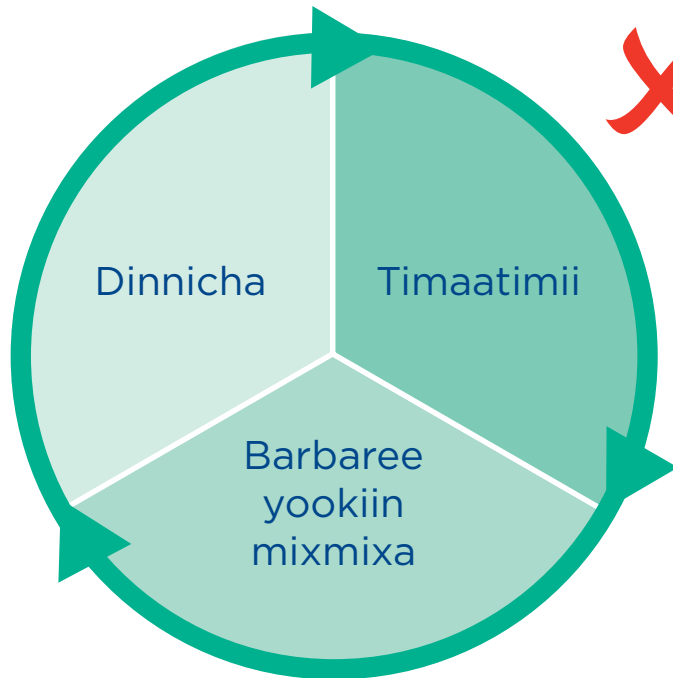
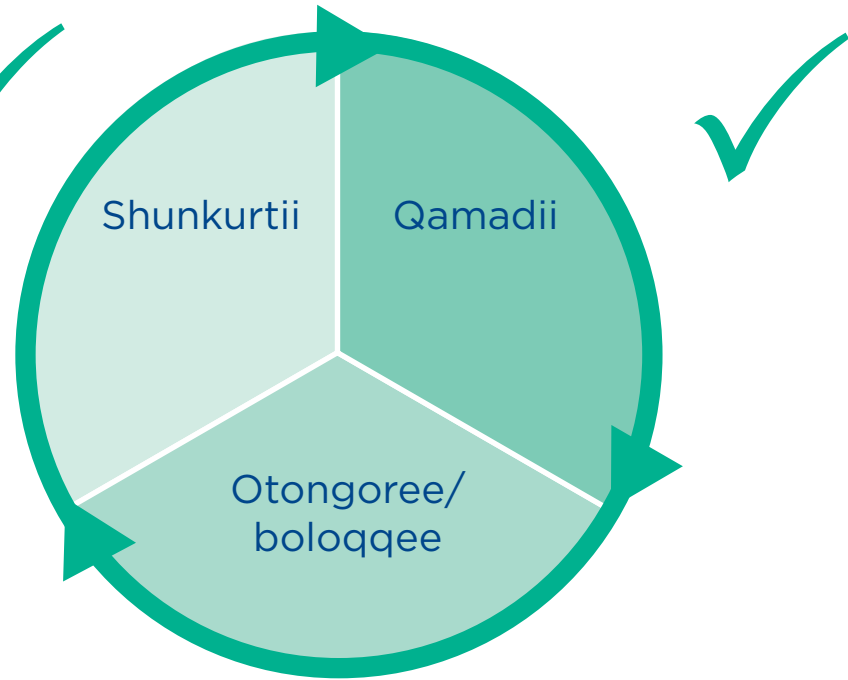
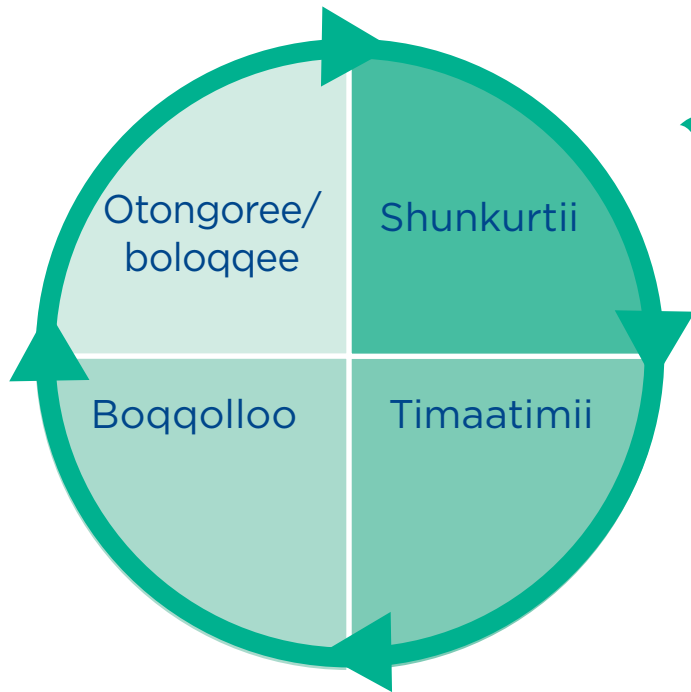








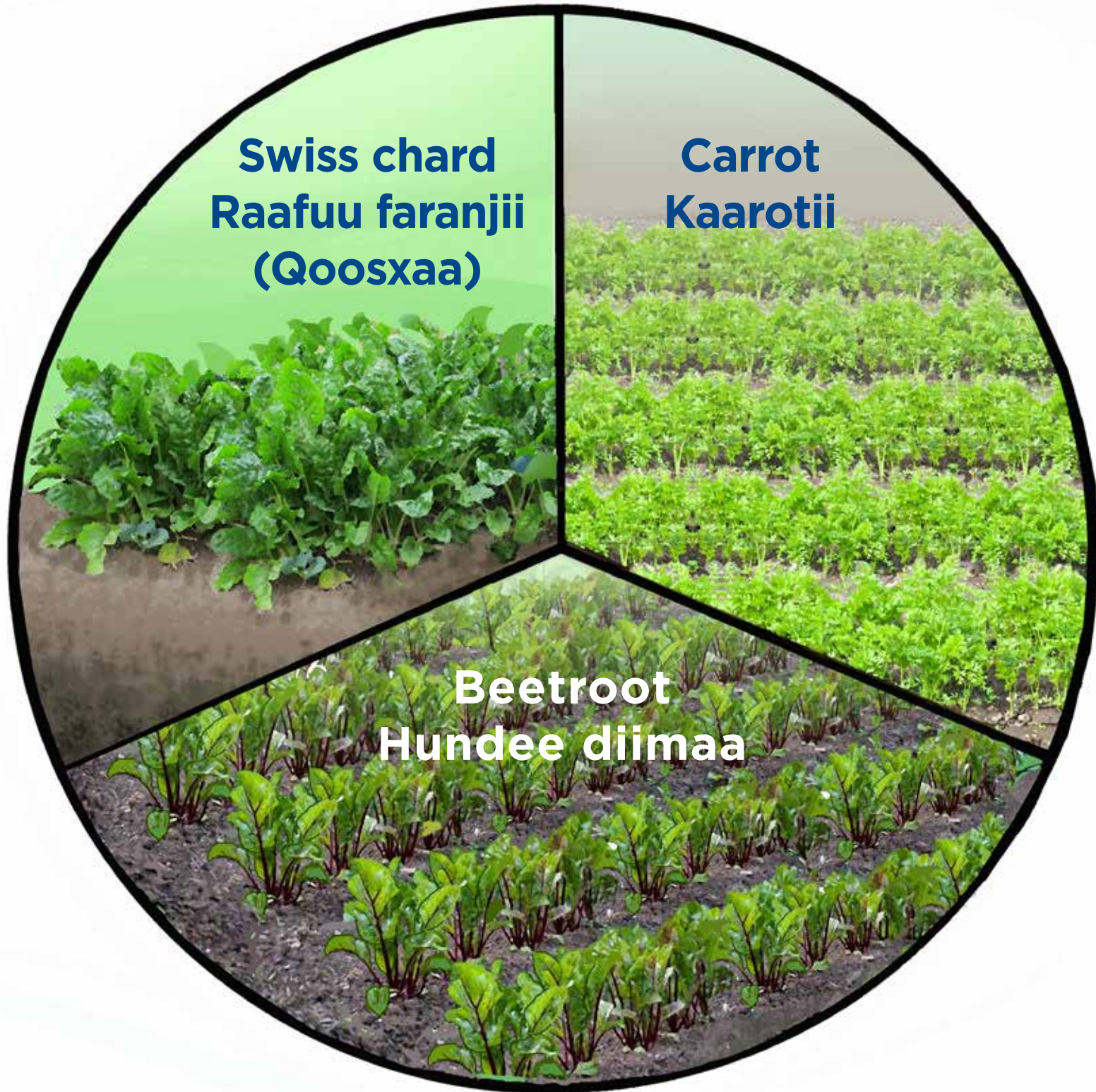


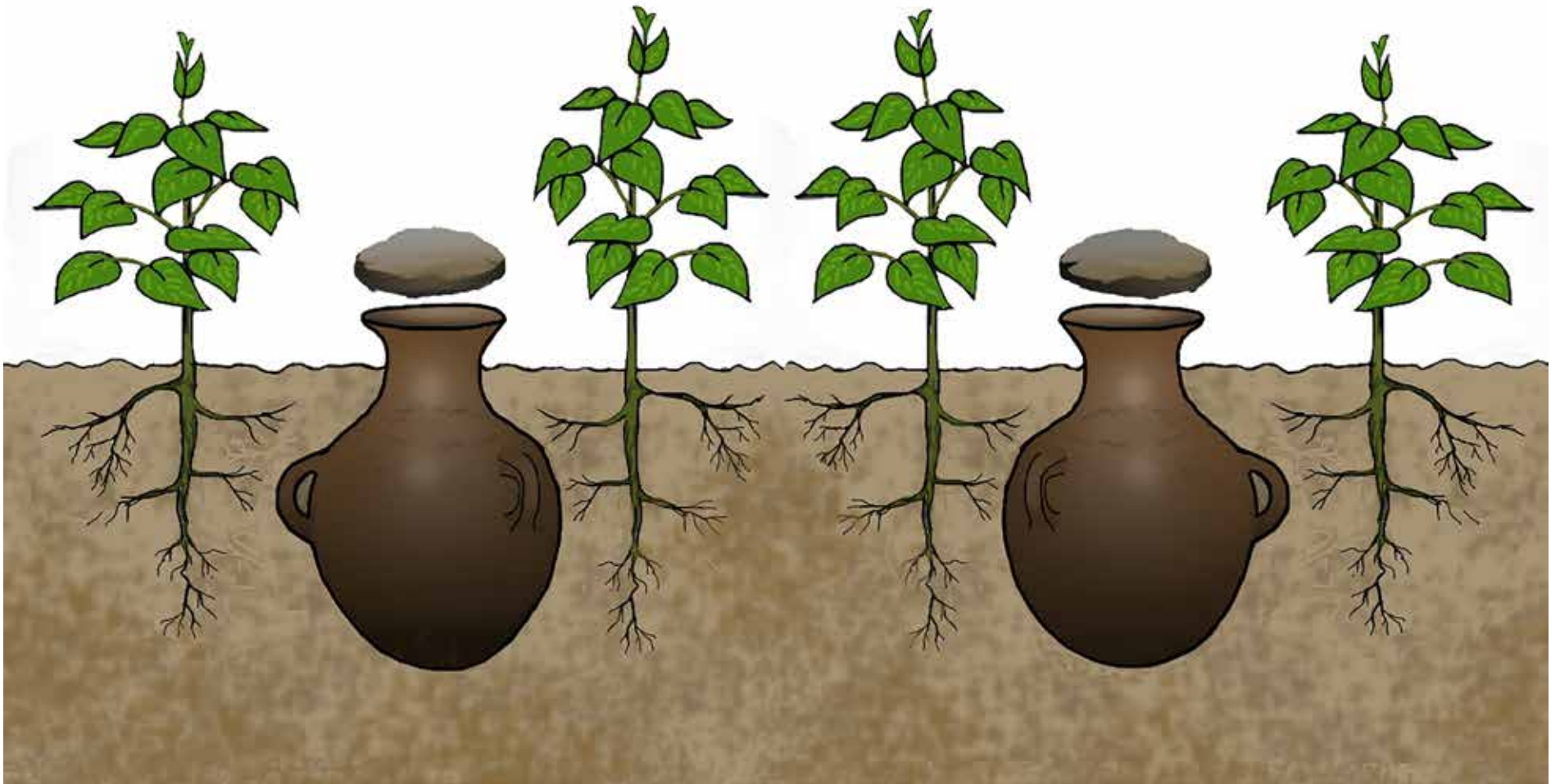


Swiss chard
Raafuu faranjii
(Qoosxaa)

Carrot
Kaarotii

Beetroot
Hundee diimaa





Type	Raised bed
Land size	Small/medium
Climate/location/use	Moist climates or during the rainy season.
Labor requirements	Medium effort required to construct the garden. Easy to maintain. Weeds are minimal.
Water resources	Good drainage, but may need frequent watering in the dry season.
Suitable crops	Most plants grow well, but shallow-rooted plants are preferred, such as vegetables, herbs and berry bushes. Large vining plants will take up space. Stake/trellis may be used to reduce space needs.
Materials (besides basic tools)	Frames are not required. If using frames, they can be made out of concrete block, bricks, stone, nylon sacks, etc. Wood is not recommended because it rots easily. Tires should not be used as they may be toxic.
Advantages	Size is determined by gardeners to accommodate available labor, space and food needs.
Constraints	In arid, dry climates, the soil may get too hot and dry out.

Gosa qonna man-dubbee	Haala qilleensaa/fayidaa	Haala qilleensaa hunduma	Gonna Mindubee Siree Ol Ka'aa
Hojii humnaa barbaachisu	Maddeen/burqaawwan bishaanii	Ijaaruu dhaaf dhamaatii yookiin of keessa dabarsuu gaarii qaba. Haaf ta'u maa, waqtii fufsiisuudhaaf salphaa dha Aramaan baayyee mti.	Amala bishaan dabarsuu gaarii qaba. Haaf ta'u maa, waqtii fufsiisuudhaaf salphaa dha Aramaan baayyee mti.
Midhaanota mijatoo	Meeshaalee	Biqiltoonni baayyeen haala gaariidhaan gudu datu, garuu bi-qiltoonni hidda baayyee gad hin fageeffanne kanneen akka kuduraa, biqiltoota baalaa fi goraa caalaatti ni filatamu. Biqiltoonni hidda hiddaa gur-guddoon kanneen biqiltoota biroo irratti hirkatani bakka bal'aa fudhatu; haa ta'u malee, mukkeen akka deeggaranuuf jala dhaabaman bakka qusachuudhaaf ni gaaru.	Biqiltoonni baayyeen haala gaariidhaan gudu datu, garuu bi-qiltoonni hidda baayyee gad hin fageeffanne kanneen akka kuduraa, biqiltoota baalaa fi goraa caalaatti ni filatamu. Biqiltoonni hidda hiddaa gur-guddoon kanneen biqiltoota biroo irratti hirkatani bakka bal'aa fudhatu; haa ta'u malee, mukkeen akka deeggaranuuf jala dhaabaman bakka qusachuudhaaf ni gaaru.
Fayidaawwan	Hanqinoota	Guddinni yookiin bayyinni humna namaa jiru fi bak-kaa gabachuu akka danda'auutti yaa- manduudbee hojjetu sanaan murta'uu qaba.	May be physically appropriate for those with disabilities.
Bal'ina lafaa	Fayidaawwan	Xiqqaa/giddu-galeessa	



Type	Land size	Climate/location/use	Labor requirements	Water resources	Suitable crops	Materials (besides basic tools)	Advantages	Constraints
Sunken bed	Small/medium	Dry areas, nursery, season, nursery.	Medium effort to establish given retention as it limits water runoff and serves as a water catchment system. Maintain for those with disabilities or chronic illness as crouching is required.	Designed for moisture retention as it limits water runoff and serves as a water catchment system. Maximizes use of available water found deeper in the soil.	Suitable for all crops, except roots and tubers due to the depth required for optimal growth.	Organic matter/compost.	Supports rebuilding soil health and keeps roots cool in hot climates.	Not suitable for areas prone to flooding or heavy rains, or for soils with poor drainage. Nearby erosion may fill in the bed.

Gosa qonna man-dubbee	Haala qilleensaa/bakka / faayidaa	Hojii humnaa barbaachisu	Maddeen/burqaawwan bishaanii	Midhaanota mijatoo	Meeshaalee	Faayidaawwan	Hanqinoota	Bal'ina lafaa	
Bakka gogi-insa gabu, Waqti! bo-naa, bakka biqiltuu itti qophees-suudhaan bakka dhaa-ban	Yeroo lama qotuu sababii gabuuf, jjaaruu dhaaf dhamaatii yookiin raajjee gidduuga-leessa barbaada. Bira gahaanii irrati ojjechuu akka sumas waa hir'isuuf yaa'uu bishaanii gadi fagaachuu isaan barbaachisu irraa kan hafe midhaanota hundaaf mijatataa dha.	Jiidhinsa of keessa tursuuf yaadamee kan qophaa'e dha, sababiinsaa gadi fagaachuu isaan yaa'uu bishaanii waa hir'isuuf akka sumas dirqama waa ta'eef, namoota hir'ina qaamaa yookiin dhuk-kuba cimaa qabanuuf rak-kisaa dha.	Yeroo lama qotuu sababii gabuuf, jjaaruu dhaaf dhamaatii yookiin raajjee gidduuga-leessa barbaada. Bira gahaanii irrati ojjechuu akka sumas waa ta'eef, namoota hir'ina qaamaa yookiin dhuk-kuba cimaa qabanuuf rak-kisaa dha.	Jiidhinsa of keessa tursuuf yaadamee kan qophaa'e dha, sababiinsaa gadi fagaachuu isaan yaa'uu bishaanii waa hir'isuuf akka sumas dirqama waa ta'eef, namoota hir'ina qaamaa yookiin dhuk-kuba cimaa qabanuuf rak-kisaa dha.	Midhaanota hundeen isaanii nyaatamu kan-neen sirriitti gudda-chuudhaaf lafa keessa gadi fagaachuu isaan barbaachisu irraa kan hafe midhaanota hundaaf mijatataa dha.	Wantoota uumamaa/koompoosti!	Fayyuummaa biyyee iddootti deebisu-udhaaf ni gargaara akkasumas haala qilleensaa ho'aa kees-satti hidda/hundee biqiltootaa ho'ina irraa ni ittisa.	Iddoowwan lolaa fi rooba cimaadhaaf saaxila bahanii yookiin biyyee amala bishaan of keessa dabbar-suu gad aanaa qabuuf mijataa miti kana malees, lolaan naannoo isaatti lola'u siree sana guutuu ni mala.	Xiqqaa/giddu-galeessa

Goanna Mandubee Dhidhimaa/Boollataa



Type	Land size	Climate/location/use	Labor requirements	Water resources	Suitable crops	Materials (besides basic tools)	Advantages	Constraints
Keyhole	Small	Semi-arid climates; difficult to establish; dry season; location with rocky, difficult-to-cultivate or infertile soils; limited space.	Medium effort to difficult to establish as many materials are required. Easy to maintain.	Designed for moisture retention. Uses greywater.	Suitable for root crops, leafy crops/greens, carrots, beans, garlic, herbs. Unsuitable for peppers, eggplant, maize and large/vining plants.	Stones, manure, ash, rotting logs, dry and green grass or leaves, other available organic materials, woven basket.	May be physically appropriate for those with disabilities.	May need to establish multiple keyhole gardens to meet household consumption needs. Some materials may be difficult to access.

Gosa gonna man-dubbee	Gonna Mandubbee Gaawwaa Furtuu
Haala qilleensaa/bakka / faayidaa	Haala qilleensaa baayyee waan barbaachisuuf, baayyee waaan ijaaruu dhafat qophaa'e dha. Bishaan tajajjila ken-nee hafe ni fay-yadama.
Hojii humnaa barbaachisu	Meeshaalee yaadamee kan kaarotii, hundee di-ima, shunkurtii adii fi midhaanota jirma hin qabneef mijtaa dha. Midhaanota hundeen isaanii nyaatamu, baalaa, daaraa, marga yookiin dhagaa, fatii horii, baalota gog-aa fi magariisa akkasumas xaa'oo kanneen biroo guuboo keessatti walitti qabaman.
Maddeen/burqaawan bishaanii	Jiidhinsa of keessa tursuuf yaadamee kan qophaa'e dha. Bishaan tajajjila ken-nee hafe ni fay-yadama.
Midhaanota mijatoo	Midhaanota hundeen isaanii nyaatamu, baalaa, daaraa, marga yookiin dhagaa, fatii horii, baalota gog-aa fi magariisa akkasumas xaa'oo kanneen biroo guuboo keessatti walitti qabaman.
Faayidaawwan	Namoota hir'ina qaamaa qabanuuf mijataa ta'uu ni mala.
Hanqinoota	Fedhiwwan itti fayyadama maatii tok-koo guutu-udhaaf qonna mandubbee qaaw-waa furtuu baayyee ijaaruu bar-baachisuu ni mala. Mee-shaalee tokko tokko arga-chuudhaaf rak-kisaa ta'uu ni mala.
Bal'ina lafaa	Xiqqaa





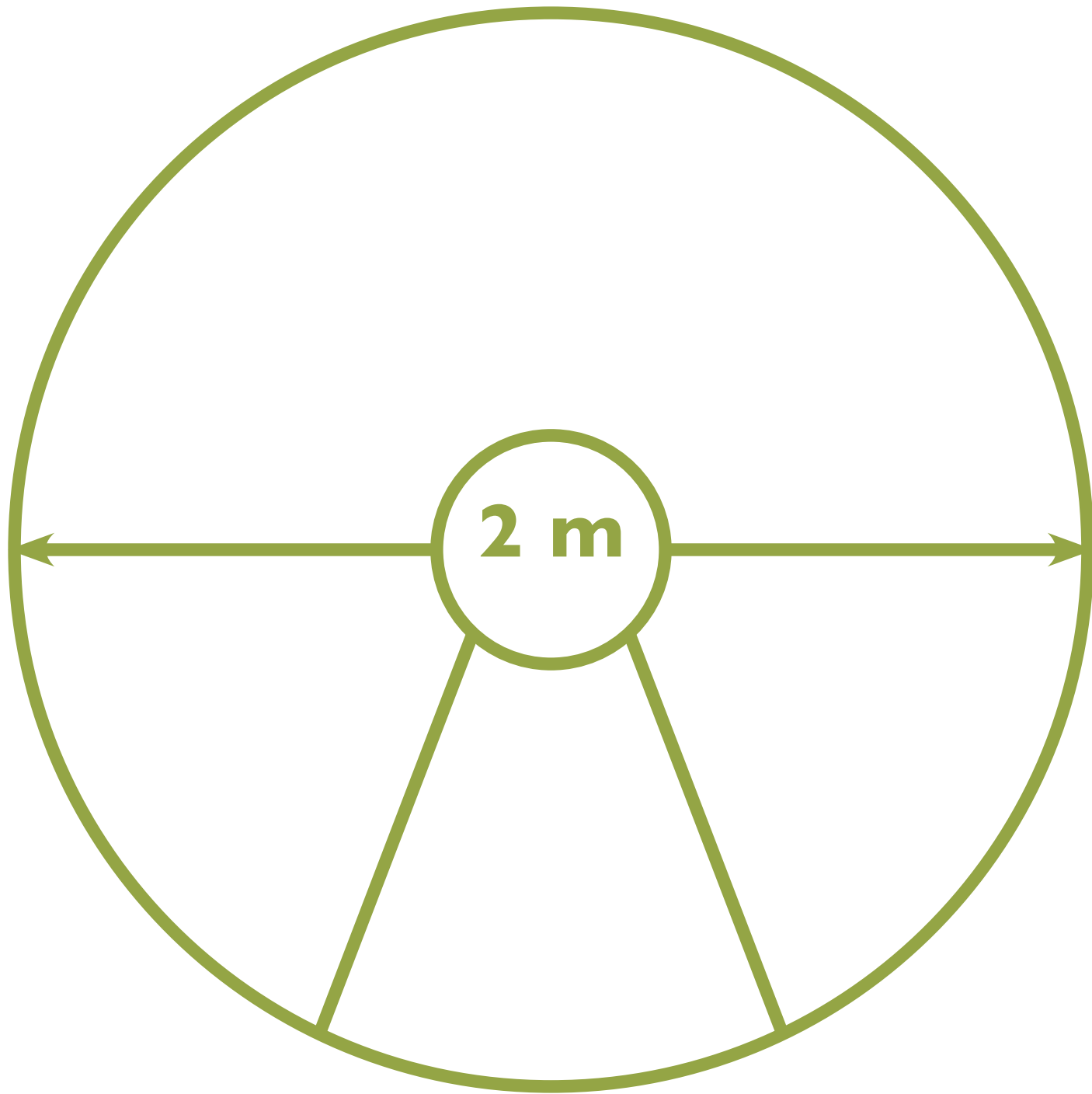






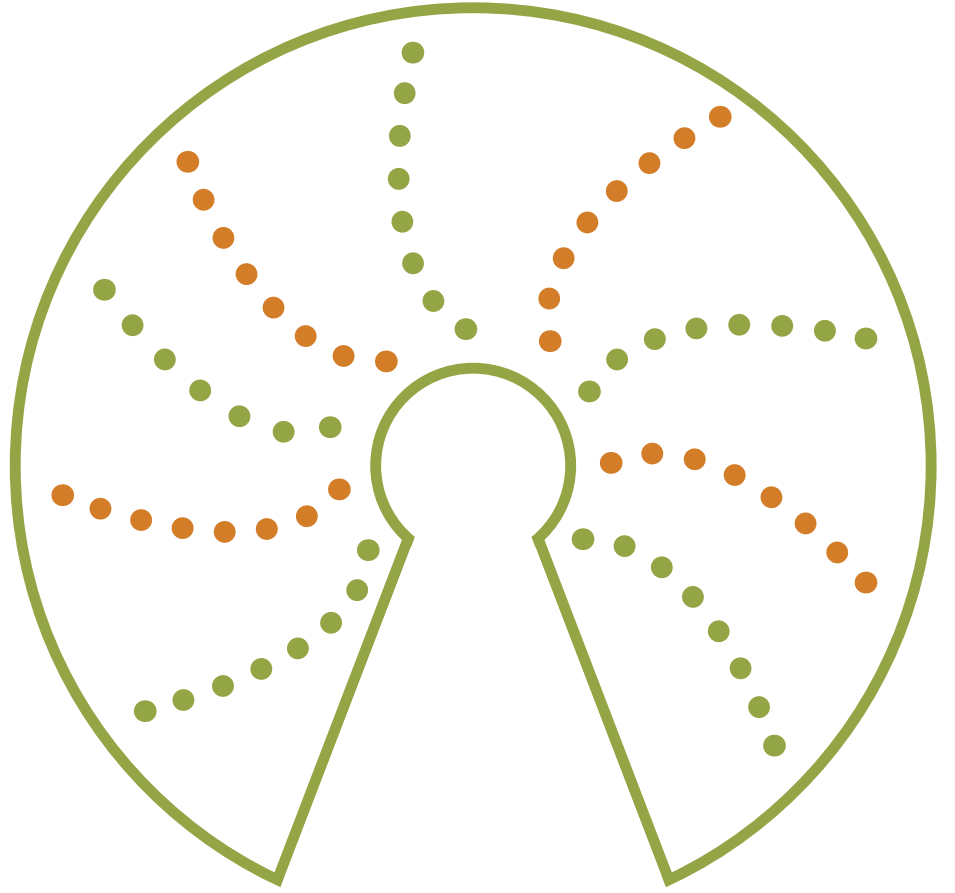
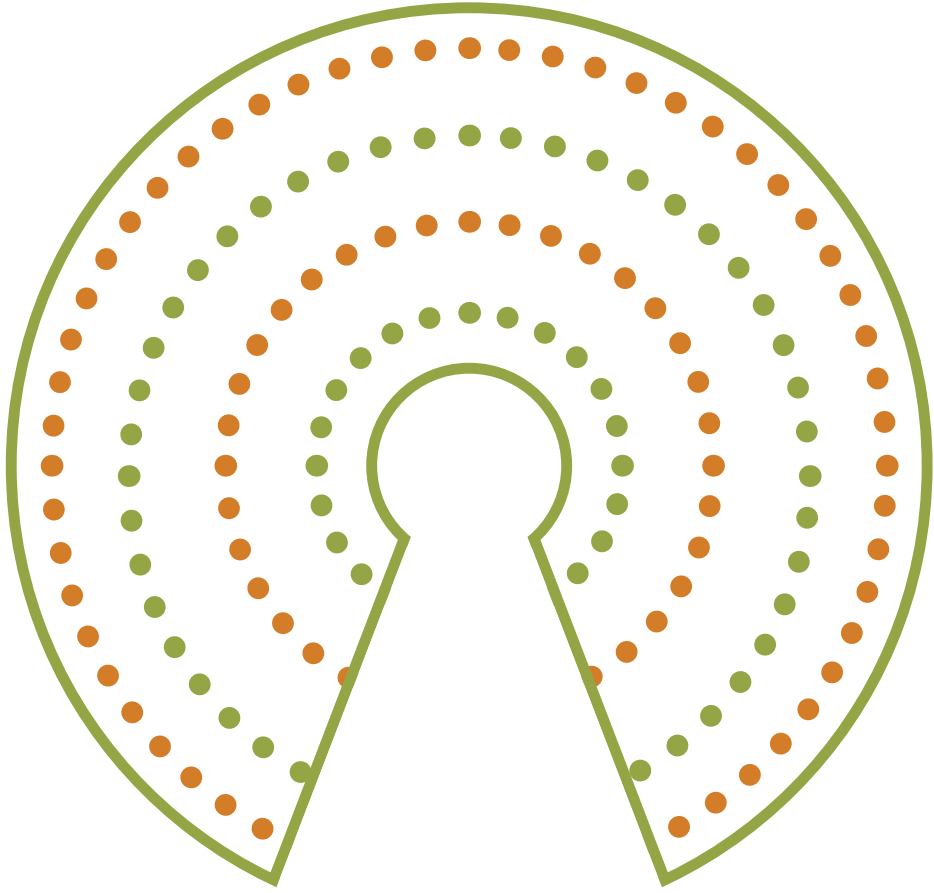


































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