**Series beginning August 2015**



Program 7: Weeding beans

**Radio transcript – translation into English**

First broadcast 15 September 2015 on Radio Sauti ya Injili (Broadcast in Kiswahili). Farm Radio International facilitated the development of this program with technical and financial supported from CABI - Africa Soil Health Consortium program.

**00:00 Music playing…**

**00:19 Presenter: Helen Madijongo**

Dear listener welcome to the Kilimo ni Utafiti radio program brought to you by Radio Sauti ya Injili in Moshi.

This program talks about beans production where you are going to get a chance to participate by asking questions and get explanation from farming expert. Today we are looking at weeding beans. We are going to hear from beans farmer from Erenthe Lushoto Tanga and also we are going to hear from our expert Sophia Shekibaha from Lushoto Tanga.

This radio program is brought to you by Sauti ya Injili in Moshi and Farm Radio International in Arusha. My name is Helen Madijongo Welcome!

**Jingle**

Dear Radio Sauti ya Injili Kilimo ni utafiti program, participate in this program by beeping number: 0687140142 your call will be hanged up wait for a while you will receive a phone call

Listen careful to the instructions and answer this week question by pressing corresponding number on your phone. This week question is; what is the best time to weed beans?

**Press 1:** If it is 3 weeks after planting

**Press 2:** If it is 6 weeks after planting

**Press 3:** If it is 9 weeks after planting

Participate now by beeping number: 0687240142

Listen to Kilimo ni Utafiti program every Tuesday at 6 pm to 6:30 pm.

**02:15 Presenter: Helen Madijongo**

Dear listener participate now by beeping number: 0687 140142 or 0687140143.

There are successful beans farmer and here we have one farmer explaining how he grows beans and applying fertilizer.

**Farmer: Rashidi Kimaro**

My name is Rashidi Kimaro and I am bean farmer. I have been planting beans since 1982

I apply organic manure on my land then I cultivate my land using tractor. I get manure from my cows and collect also from my neighbour, I never use industrial fertilizer before. On one acre I put two tractor trailors of manure - about 10 tonnes, when I see there is insect on my farm I apply Dudu Holes. If you apply fertilizer and plant twice a year you can get 6 to 8 sacks of beans in one acre, we now sell one sack of beans 210,000 Shillings of soya beans**.**

**04:37 Presenter: Helen Madijongo**

That was Rashidi Kimaro, from Kware Village, explaining how he grows beans!

Today question is; when is the best time to weed beans plant?

Lets listen to farmers who participated by beeping number 0687140142.

**Farmer on the phone:** I weed my beans after 6 weeks.

**Farmer on the phone:** I weed after 3 weeks it is how we usually do.

**Farmer on the phone:** I weed after 6 weeks - 3 week is too early!

**Farmer on the phone:** We need a good calendar that shows how when we planted, when we have to weed beans, when we have to apply pesticide, fertilizer and when to harvest.

**Farmer on the phone:** I weed after 6 weeks, it is easier to weed after 6 weeks.

**Farmer on the phone:** I weed at 3 weeks.

**Farmer on the phone:** I weed after 3 weeks - after planting before weed grows too high.

**08:36 Presenter: Helen Madijongo**

Those were farmers participating to this week question by beeping number: 0687140142

Now it is time to listen to farmers’ discussion from Irenthe, Lushoto as interviewed by Samwel Shayo.

**Presenter: Samwel Shayo**

My name is Samwel Shayo, I am at Irenthe Lushoto we are going to discuss with farmers about beans weeding. What is the best way and time to weed beans?

**Farmer: Stephan**

My name is Stephan I am a bean farmer from Irenthe farm, I weed beans after 4 weeks using a hand hoe, I wait again for another 3-weeks and do second weed and then I wait till harvest.

**Farmer: Tiras Dori**

My name is Tiras Dori. I weed after one month of planting. I weed morning and evening time. I do second weed after 4 weeks again.

**Farmer: Emmanuel Paulo**

My name is Emmanuel Paulo, I am from Irenthe. I weed my beans after 4 weeks and wait again for 4 week to do second weed.

**Presenter: Samwel Shayo**

How do you know if it is time to weed beans?

**Farmer**: **Angelina Anthony**

My name is Angelina Anthony, I am a bean farmer, from Irenthe. I know it is right time to weed beans after one week of planting and early second week I start weeding.

**Presenter: Samwel Shayo**

What do other farmers do? Weed once, twice and other three times?

**Farmer:** **Peter Josh**

My name is Peter Josh, I know I should weed my beans after 3 weeks and after one month I go back to look if there are weed emerging, if there is I do second weeding.

**Presenter: Samwel Shayo**

How many time should you weed till harvesting?

**Farmer: Rossina Tadei**

My name is Rossina Tadei I am from Irenther. I weed two times until harvesting.

**Presenter: Samwel Shayo**

What is the best way to weed beans?

**Farmer: Rossina Tadei**

The good way to weed beans is using small hand hoe.

It is good to weed beans using small hand hoe to weed to avoid damaging beans. I plant using hand hoe and I weed using hand hoe. My land is small I use hand hole I weed small hand hoe.

I uproot long weeds by hand and weed smaller ones using small hand hoe.

**15:14 Presenter: Helen Madijongo**

Those were farmers from Irenthe Liushoto explaining the best time to weed beans. Now we are going to hear from experienced bean farmer, he is going to explain how he weeds his beans farm.

**Presenter: Samwel Shayo**

I am going to talk with a farmer. He is going to explain ways of weeding beans and time to weed beans plant.

**Farmer: Augustino Isidoro**

My name is Augustino Isidoro I am a bean farmer from Irenthe Lushoto. A good time to weed beans is after 3 weeks from planting beans soon after it gives second leaf.

If you have planted your beans in the right spacing you can weed using normal hand hoe - but if you have planted beans in traditional way you can only weed using small hand hoe.

You can weed two or three times before harvesting depending on the type of land, if the land is too fertile you may need to weed 3 times.

You must not take too long before weeding because the weeds will take all the resources and beans will not grow well! It is also not good to weed too early because you may damage the beans. N2AFRICA have visited and started demonstration plots showing planting in space

When you plant in the correct spacing you get a lot of harvest from your land - unlike traditional farming that we grow big land but the harvest is very poor. It is good to do 3 weeding before harvesting, the third weeding allows you to harvest beans easily it would be difficult to a harvest bean crop when it is mixed with lots of weed.

It is important to put back soil around beans plant that is lot after weeding to protect roots from being exposed to sun.

**20: 54 Jingle playing**

Dear Kilimo ni Utafiti listerners participate in Paza Sauti this week by beeping number: 0687140142.

When you Beep your call will be hanged up, wait for a while you will receive a phone call.

Listen carefully to the instructions to answer the question

This week question is; when is the best time to weed beans after panting

**Press 1:**  If it is 3 week after planting

**Press 2:**  If it is 4 weeks after planting

**Press 3:** If it is 9 weeks after planting

Participate now by beeping number; 0687140142 and Paza sauti

Listen to Kilimo ni Utafiti program every Tuesday at 6:00 pm to 6:30 pm.

**21:39 Presenter:** Helen Madijongo

Dear listener, we are talking about beans production and today we are covering beans weeding, we have our expert, she is going to explain what is weed and weeding

**Expert: Sofia Sekibaha**

My name is Sofia Sekibaha I am extension officer at Lushoto. Weeding is the process by which farmer remove unwanted vegetation on the farm, when these vegetation stays on the land destroys the intended crops, hinders it from growing well - by competing for resources - and also weeds can host pest and diseases, block light from reaching intended crops.

Usually weeding is done after 3 weeks of planting and second weeding is done between 5-8 weeks after planting. Late weeding can result to poor beans growth and poor harvest as I mentioned earlier weed tend to compete for resources and can be host for pests and diseases.

Weeding depend on the type of weeds and soils these conditions affect the growth of weeds.

The Lushoto farmers uses small hand hoe and big hand hoe, but they mostly use small hand hoe due to small space between beans plants.

It is advisable not to weed beans when it has flowers because you may shake beans plant and causes flowers to drop. Sometimes farmer uproot weeds by hand - if there are few weed on the farm It is possible to weed when it is raining if it is only small rain though I advise farmer to weed when it is not raining. Planting in correct spacing and the correct time and weed the beans in a timely fashion.

**27:05 Presenter: Helen Madijongo**

That was extension officer Sofia from Lushoto explaining how to weed beans, before ending today session I would like to welcome our expert Confort Kibaja from Lushoto to answer your question.

**Farmer:** What is the best area for growing beans is it area with tall plants like banana trees or open land?

**Expert: Comfort Kibaja**

Beans grow in sandy soil and need light to be able to grow.

**Farmer:** What would happen if I weed at 8 weeks?

**Expert: Comfort Kibaja**

No you have to do weeding at the 3rd week, by week 8 the weeds would have already take a lot of resources from the beans.

**Presenter: Helen Madijongo**

That was our expert Confort Kibaja from Lushoto answering farmers’ question. Reaching this

point concludes today’s session brought to you by Radio Sauti ya Injili Moshi. Today we have seen the good times to weed beans; heard farmers from Lushoto and extension officer Comfort Kibaja also from Lushoto answering your questions.

As we have heard it is good to do first weeding after the third week. Next week we are going to talk about beans diseases. Keep beeping number: 0687140142 to register. If you have question or comment write to me at [radio@elst.org](mailto:radio@elst.org) or contact farmer expert near you.This program is brought to you by Radio Sauti ya Injili and Farm Radio International.

I am Helen Madijiongo keep tuning in!



**Section 2: Swahili Transcript**

**00:19 Mtangazaji: Helen Madijongo**

Mpendwa msikilizaji karibu katika kipindi cha Kilimo ni utafiti kinacholetwa kwako na redio sauti ya Injili Moshi. Kipindi hiki kinaongelea uzalishaji wa zao la maharage ambapo utapata nafasi ya kushiriki kwa kujibu swali na kuuliza maswali na kupata ufafanuzi kutoka kwa wataalamu wa kilimo

Leo tutaangalia palizi la maharage, tutakuwa na wakulima wa maharage kutoka Irenthe Lushoto na mtaalamu wa kilimo Sophia shekibaha kutoka Lushoto pia

Kipindi hiki kina letwa kwako na Redio sauti ya injili na shirika la farm radio international, Mimi ni Hellen Madijongo, Karibu!

**Jingo**

Mpendwa msikilizaji wa Sauti ya Injili kipindi cha Kilimo ni utafiti, unaweza kushiriki katika kipindi hiki kwa kubipu namba; 0687140142 baada ya kubipu simu yako itakatwa, subiri kidogo utapigiwa simu, sikiliza maelzo ili uweze kujibu swali la wiki hii. Swali linasema, ni muda gani mzuri wa kupalilia maharage? Bonyeza kama ni;

1. Wiki 3 baada ya kupanda
2. Wiki 6 baada ya kupanda
3. Wiki 9 baada ya kupanda

Shiriki sasa kwa kubipu namba: 0687240142

Sikiliza kipindi cha kilimo ni utafiti kila Juma nne saa 12:00 mpaka saa 12:30 jioni

**02:15 Mtangazaji: Helen Madijongo**

Shiriki sasa kwa kubipu namba; 0687 140142 au 0687140143. Kuna wakulima walio fanikiwa kwa kulima maharage na huyu hapa ni mkulima atatueleza jinsi anavyo lima na kuweka mbolea

**Majadiliano na Bwana Shabani Kimaro**

Jina langu ni Rashid Kimaro, Mimi ni mkulima wa Maharage, nimekuwa nikipanda maharage tangu mwaka 1982

Ninatumia mbolea za asili katika maharage yangu, ninaweka mbolea kipindi ninapoandaa shamba. Ninalima shamba kwa kutumia Tractor, mbolea ninachukua kutoka kwenye zizi la ngombe wangu na nyingine ninachukua kwa majirani. Sijawahi kutumia mbolea za viwandani, ninaweka tela mbili za mbolea kwenye ekari moja, hii ni sawa na tani kumi za mbolea

Ninapoona maharage yangu yameshambuliwa na wadudu ninatumia Dudu Hole

Ukitumia mbolea na kupanda mara mbili kwa mwaka, unaweza kupata gunia 6 mpaka 8 za maharage kwa mwaka, gunia moja la maharage ya soya tunauza kwa shilingi 210,000

**04:37 Mtangazaji**: **Helan Madijongo**

Huyo alikuwa Rashid Kimaro kutoka kijiji cha Kware akielezea jinsi anavyolima maharage

Swali la wiki hii linasema, ni muda gani mzuri wa kupalilia maharage?

Sasa tuwasikilize wakulima walio shiriki katika kipindi kwa kubipu namba; 0687140142 na kujibu swali la wiki hii.

**Simu za wakulima**

* Ninapalilia maharage yangu baada ya wiki sita
* Ninapalilia maharage yangu baada ya wiki tatu
* Ninapalilia baada ya wiki 6, baada ya wiiki tatu ni mapema sana kufanya palizi.
* Tuna hitaji kalenda nzuri sana itakayo onyesha lini umefanya palizi, piga dawa na lini unapaswa kuvuna
* Ni rahisi kuvuna baada ya wiki 6
* Ninapalilia baada ya wiki 3
* Nina palilia baada ya wiki 3

**08:36 Mtangazaji: Helen Madijongo**

Hao walikuwa wakulima walioshiriki katika kipindi wiki hii kwa kubipu namaba: 0687140142 na kuweza kujibu swali la wiki hii

Sasa ni muda wa kusikiliza sauti za wakulima kutoka Irenthe Lushoto wakihojiwa na Samwel Shayo

**Majadiliano na wakulima wa Irenthe**

**Samwel Shayo**

Mimi ni Samwel Shayo, niko kijiji cha Irenthe Lushoto, leo tutazungumza na wakulima juu ya palizi la maharage.

**Sauti za wakulima**

* Jina langu ni Stephan mimi ni mkulima wa maharage wa kijiji cha Irenthe Lushoto, Nina palilia maharage baada ya wiki 4 za kupanda maharage, kisha ninasubiri tena kwa wiki 3 kabla ya kufanya palizi lingine baada ya hapo nasubiri kuvuna
* Jina langu ni Tiras Dori, Nina palilia baada ya mwezi mmoja wa kupanda, ninapalilia jioni na asubuhi, kisha ninafanya palizi la pili baada ya wiki ya 4
* Jina langu ni Emmanuel Paulo, mimi ni mkulima wa maharage kutoka Irenthe. Nina palilia maharage yangu baada ya wiki 4 kisha ninasubiri baada ya wiki 4 kufanya palizi la pili
* Jina langu ni Angelina Anthony, mimi ni mkulima wa maharage wa kijiji cha Irenthe Lushoto. Nina palilia maharage ynagu baada ya wiki moja kupanda

**Mtangazaji:** Samwel Shayo:

Unapasewa kupalilia mara ngapi kabla ya kuvuna?

* Jina langu ni Rossina Tadei mimi ni mkazi wa kijiji cha Irenther. Nina palilia mara mbili kabla sijavuna maharage

**Mtangazaji: Samwel Shayo**

Ni njia gani sahihi ya kupalilia maharage?

* Kwa kutumia jembe dogo la mkono
* Ni vizuri kupalilia maharage kwa jembe dogo la mkono ili kuepuka kukata maharage madogo
* Nina lima na kupalilia kwa jembe dogo
* Shamba langu ni dogo, ninapalilia kwa jembe la mkno
* Ninapalilia maharage yangu kwa kutumia jembe dogo la mkononi
* Nina ngoa majani makubwa kwa mikono na kipalilia majani madogo kwa jembe dogo

**15:14 Mtangazaji: Helen Madijongo**

Hao ni wakulima wa Maharage kutoka kijiji cha Irenthe Liushoto wakielezea jinsi wanavyo palilia maharage. Sasa tumsikilize mzoefu wa kilimo cha maharage, ataenda kutuambia jinsi anavyo palilia maharage yake

**Majadiliano na mkulima mzoefu wa maharage**

Jina langu ni Augustino Isidoro Mimi ni mkulima wa maharage katika kijiji cha Irenthe Lushoto. Muda mzuri wa kupalilia maharage ni baada ya wiki 3 baada tu ya maharage kutoa majani ya pili.

Kama umepanda maharage kwa nafasi unaweza kupalilia kwa kutumia jembe la mkono lakini kama umepanda pasipo nafasi nzuri basi itabidi upalilie kwa jembe dogo

Unaweza kupalilia mara 3 hadi mara 4 kabla ya kuvuna kulingana na hali ya udongo mara nyingine inakupasa kupalilia mara tatu

Usichukue muda mrefu kabla ya kupalilia kwasababu magugu yatafanya maharage yathoofike na pia sio vizuri kuwahi sana kufanya palizi kwasababu maharage yata haribika au utakata maharage madogo

Shirika la N2AFRICA limetutembelea na kuanzisha mashamba darasa ambapo tumejifunza jinsi ya kulima kwa nafasi

Kupanda maharage kwa nafasi unaweza kupanda eneo dogo na kupata mavuno mengi kuliko kilimo cha kienyeji ambapo unatumia eneo kubwa na mavuno madogo

Ni vizuri kufanya palizi mara tatu, palizi la tatu linakurahishia kuvuna

Ni vzuri kurudishia udongo kwenye shimo baada ya palizi

**20: 54 Jingo playing**

Mpendwa msikilizaji wa Sauti ya Injili kipindi cha Kilimo ni utafiti, unaweza kushiriki katika kipindi hiki kwa kubipu namba; 0687140142 baada ya kubipu simu yako itakatwa, subiri kidogo utapigiwa simu, sikiliza maelzo ili uweze kujibu swali la wiki hii. Swali linasema, ni muda gani mzuri wa kupalilia maharage? Bonyeza kama ni;

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Shiriki sasa kwa kubipu namba: 0687240142

Sikiliza kipindi cha kilimo ni utafiti kila Juma nne saa 12:00 mpaka saa 12:30 jioni

**21:39 Mtangazaji: Helen Madijongo**

Mpendwa msikilizaji wa kipindi cha kilimo ni utafiti, leo tunazungumzia palizi la maharage na hapa niko na mtaalamu wa kilimo kutoka Lushoto, Karibnu mtaalamu;

**Mtaalamu: Sofia Sekibaha**

Jina langu ni Sofia Sekibaha mimi ni mtaalamu wa kilimo hapa Lushoto. Palizi ni kitendo cha kutoa mimea isiyotakiwa shambani, majani haya yanapokaa shambani yanasababisha mmea uliokusudiwa kushindwa kukua vizuri kwa kunyima chakula na kuzuia mwanga wa jua na pia mimea hii ni makazi ya wadudu na magonjwa sumbufu. Kwa kawaida palizi linafanywa baada ya wiki 3 kupanda na palizi la pili ni baada ya wiki ya tao au wiki ya 9 baada ya kupanda

Kuchelewa kufanya palizi kunapelekea kwa mavuno kidogo

Muda wa kupalilia unategemea na aina ya magugu na hali ya udongo

Wakulima wa Lushoto wanatumia majembe madogo ya mkononi kupalilia maharage kutokana na nafasi ndogo wanayoiacha wanapo panda maharage

Nina washauri wakulima kuto palilia maharage pindi yanapo toa maua kwani unaweza kupelekea kudondosha maua

Mara nyingine unaweza kungoa magugu kwa mikono kama magugu si mengi shambani

Unaweza kufanya palizi mvua zinaponyesha lakini haushauriwi sana

Panda maharage muda muafaka, palia muda muafaka na vuna muda muafaka

**27:05 Mtangazaji: Helen Madijongo**

Huyo alikuwa mtaalamu wetu wa kilimo kutoka Lushoto akielezea jinsi ya kufanya palizi katika maharage. Kabla ya kukamilisha kipindi cha leo ningependa kumualika mtaalamu Confort Kibaja kutoka Lushoto aweze kujibu maswali ya wakulima

**Simu za wakulima**

* Ni eneo gani zuri kupanda maharage kwenye eneoo lenye mito mirefu kama migomba au eneo la wazi?

**Mtaalamu**

* Maharage yanastawi katika udongo wa kichanga na eneo liwe wazi
* Nini kitatokea kama nikipalilia wiki ya 8

**Mtaamu**

* Kufikia muda huo maharage yatakuwa yamesha thoofika, unashauriwa kupalilia kwa muda muafaka

**Mtangazaji: Helen Madijongo**

Huyo ni mtaalamu wetu Confort Kibaja kutoka akijibu maswali ya wasikilizaji. Kufikia hapa sina la ziada, kipindi hiki kimeletwa kwenu na Redio Sauti ya Injili Moshi, leo tumeangazia palizi la maharage na tumewasikia wakulima kutoka kijiji cha Irenthe na wataalamu wa kilimo

Tumejifunza kwamba ni muhimu kuanza palizi la kwana baada ya wiki ya 3 wiki ijayo tutaangalia wadudu sumbufu wa maharage. Endelea kubipu namba: 0687140142 kujisajili katika kipindi

Kama unamaoni au maswali tuandikie kwenda; [radio@elst.org](mailto:radio@elst.org) au wasiliana na mtaalamu aliye karinu yako

Kipindi hiki kina letwa kwenu na Redio Sauti ya Injili na shirika la Farm radio International, Mimi ni Helen Madijongo, Endelea Kusikiliza!