

Maphunziro a Ulimi wa Cannabis

Buku Lonse la Mbewu Mpaka Kukolola kwa Alimi a ku Africa
Kuyambira Kusankha Mbewu Mpaka Kuumitsa, Kusunga ndi Kugulitsa

Lofalitsidwa ndi **HeKa Consultants**

Buku limeneli linapangidwa ngati gawo la maphunziro akuluakulu a ulimi wa cannabis omwe anachitika ku Africa. Poyamba linapangidwira alimi a ku Malawi omwe anali kutenga nawo mbali mu maphunziro omwe anapangidwa ndi anthu omwe adakhazikitsa HeKa Consultants, ndipo tsopano likuperekedwa kwaulere kwa alimi onse ku Africa komwe ulimi wa cannabis ukukhala wovomerezeka.

Alimi a ku Africa tsopano ali ndi mwayi wotenga nawo mbali mu makampani a cannabis ndi hemp omwe akukula. Buku limeneli likupereka maphunziro athunthu a ulimi wa cannabis. Cannabis ndi mbewu yomwe imafuna chisamaliro chachikulu pa nthawi iliyonse. Ngati mukufuna kuyamba ndi mbewu yosavuta kwambiri, tikukulimbikitsani kutsitsira buku lathu lotsatana: **HeKa Hemp Opportunity Guide**. Ulimi wa hemp ndi wosavuta kwambiri, sufuna chisamaliro chambiri, ndipo umabweretsa phindu labwino — ndiye njira yabwino yoyambira mu makampani amenewa.

Buku limeneli likuperekedwa kwaulere. Tikupempha mwaulemu kuti buku limeneli lisagulidwe kapena kugulitsidwa kuti anthu apeze ndalama. Cholinga chake ndi kugawidwa mwaufulu m'maboma a alimi kuti athandize ulimi wa cannabis wabwino.

Buku limeneli likupezekanso mu Chingerezi (English).

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Chifukwa Chake Buku Limeneli Lilipo

Boma la Malawi lapanga chisankho cholimba ndi chanzeru cholola makampani a cannabis ndi hemp kwa anthu ake. Pamene mitengo ya fodya padziko lonse ikupitiriza kutsika — mbewu yomwe yathandiza maboma a alimi a ku Malawi kwa zaka zambiri — boma lazindikira kuti cannabis ndi hemp ndi njira yamphamvu ina: yomwe ingathe kutsitsimutsa chuma cha m'midzi, kupanga ntchito zikwi zikwi zatsopano, ndi kubweretsa ndalama zakunja kwa dziko. Umenewu ndi mwayi wa mbiri kwa alimi a ku Malawi.

Mabungwe ambiri m'makampani amenewa amasankha kusunga zomwe akudziwa za ulimi mwachinsinsi, kudzionetsera ngati nkhani yomwe ingagulidwe ndi ndalama zambiri. HeKa Consultants amatenga njira yosiyana kwathunthu. Timakhulupirira kuti kupambana kwa makampani a cannabis ndi hemp ku Malawi kumatengera kupambana kwa alimi — ndipo alimi sangathe kupambana popanda maphunziro oyenera. Ndi chifukwa chake buku limeneli likufalitsidwa kwaulere ndi kuikidwa pa intaneti kuti mlimi aliyense ku Malawi atsitsire ndi kusindikiza. Ichi ndi gawo lathu mu masomphenya a Boma la Malawi: kuchepetsa aulesi, kuwonjezera mwayi wantchito ku maboma am'midzi, ndi kumanga makampani omwe amabweretsa chuma chenicheni kwa anthu omwe amagwira ntchito m'minda.

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HeKa Consultants

I. Mawu Oyamba

Takulandirani ku Maphunziro a Ulimi wa Cannabis a HeKa Consultants. Tikuthokoza chifukwa chopatula nthawi yanu kuphunzira zinthu izi. Tikuzindikira kuchuluka kwa nthaka yomwe muli nayo kuchokera ku ulimi wa mbewu monga fodya, chimanga, mtedza, ndi mbewu zina, ndipo tikulemekeza chikhazikiko ndi ntchito yolimba yomwe mwayika m'minda yanu kwa zaka zambiri.

Kusinthu kupita ku mbewu yatsopano monga cannabis kumabweretsa mwayi wosangalatsa komanso zovuta zapadera. Cannabis si ngati chimanga kapena fodya — imafuna chidziwitso chapadera pa nthawi iliyonse, kuyambira kusankha mbewu mpaka kukolola, kuumitsa, ndi kusunga. Kusiyanana pakati pa mbewu ya mtengo wapatali ndi kukolola kosapambana nthawi zambiri kumadalira kumvetsa nthawi zimenezi ndi kuzichita bwino.

Buku limeneli lapangidwa ndi anthu odziwa bwino ulimi wa cannabis omwe ali ndi mizu yakuya mu ulimi wovomerezeka wa cannabis m'maiko osiyanasiyana. Chidziwitso chomwe chagawidwa pano chimachokera ku zaka zambiri za chidziwo cha ulimi, kuphatikizapo kudziwa mitundu ya mbewu, nyengo ya ku tropiki, ndi zomwe zimafunika m'nyengo ya ku Africa.

Cholinga cha buku limeneli ndi kukutengerani mu ndondomeko yonse ya ulimi — kuyambira kumvetsa chomera cha cannabis chokha, kudzera mu kusankha mbewu, kumera, kubzala, nthawi za kukula, kuphuka, ndi pomaliza kukolola, kuumitsa, ndi kusunga. Tikufotokozanso momwe mungadziwire ndi kuthetsa mavuto odziwika, kumvetsa miyezo yomwe ogula amafuna, ndi momwe mungapitire ndi mbewu yanu ku msika.

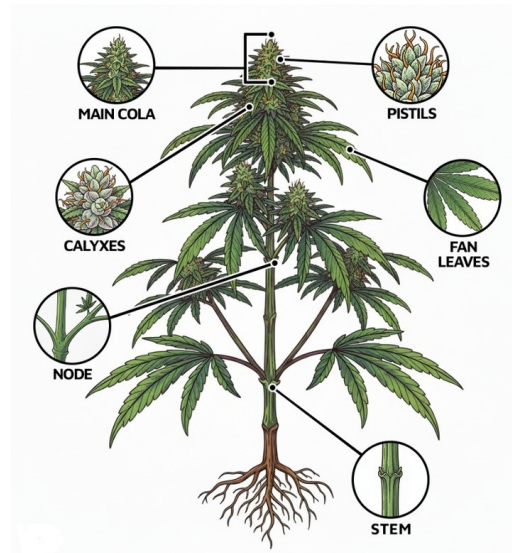
II. Kumvetsa Chomera cha Cannabis

Musanabzale mbewu iliyonse, ndikofunikira kumvetsa chomera cha cannabis chokha — mmene chidakonzedwera, moyo wake, ndiponso kusiyanana kwa chomera chachimuna ndi chachikazi. Chidziwitso ichi chidzatsogolera chisankho chilichonse chomwe mudzapange pa nthawi yonse yolima.

Mmene Chomera Chidakonzedwera

Cannabis ndi chomera chobereka maluwa chokhala ndi zinthu zingapo zomwe muyenera kuzindikira:

- **Mizu:** Mizu imagwira chomera pansu ndikumwa madzi ndi zakudya. Mizu yoyera yabwino imasonyeza chomera chabwino. Mizu yakuda yonyowa imasonyeza mavuto monga kuthirira kwambiri.
- **Tsinde ndi Nthambi:** Tsinde lalikulu limagwiriziza chomera kuimirira. Nthambi zimamera kuchokera pa mfundo. Tsinde lolimba, lalikulu limasonyeza chomera cholimba.
- **Masamba:** Masamba akuluakulu amagwira dzuwa kuti apange chakudya. Masamba abwino ali obiriwira kwambiri. Kusinthu kwa mtundu nthawi zambiri ndiye chizindikiro choyamba cha mavuto a zakudya kapena matenda.
- **Mfundo (Nodes):** Malo omwe nthambi zikumana ndi tsinde lalikulu. Apa ndipamene mudzaone zizindikiro zoyamba za mtundu wa chomera (chachimuna kapena chachikazi).
- **Maluwa (Buds):** Maluwa a chomera chachikazi ali ndi ma cannabinoid (THC, CBD) ndi terpene omwe amapatsa cannabis mtengo wake. Zomera zachimuna zimapanga matumba a ufa wobala m'malo mwake.
- **Trichomes:** Zinthu zazing'ono ngati miyala yonyezimira zomwe zimaphimba maluwa. Zimapanga utombo wokhala ndi ma cannabinoid ndi terpene. Mtundu wa trichome ndi chizindikiro chofunikira cha kukonzeka kwa kukolola.



Mmene chomera cha cannabis chidakonedwera — cola wamkulu, pistils, calyxes, masamba, mfundo, tsinde, ndi mizu

Zomera Zachimuna ndi Zachikazi — Chifukwa Chake Izi Ndizofunikira

Ichi ndi chimodzi mwa zinthu zofunikira kwambiri kumvetsa mu ulimi wa cannabis. Cannabis ndi chomera cha dioecious, kutanthauza kuti chomera chilichonse ndi chachimuna kapena chachikazi.

Zomera zachikazi zimapanga maluwa (buds) omwe ali ndi ma cannabinoid ambiri. Chomera chachikazi chosabaliwa chimaika mphamvu zake zonse kupanga maluwa akuluakulu, okhala ndi utombo wambiri — izi zimatchedwa 'sinsemilla' (cannabis wopanda mbewu) ndipo amagula ndi mtengo wapamwamba kwambiri.

Zomera zachimuna zimapanga matumba a ufa wobala m'malo mwa maluwa. Ngati chomera chachimuna chibala zomera zanu zachikazi, zidzasintho mphamvu kuchokera kupanga maluwa abwino kupita kupanga mbewu. Izi zimachepetsa kwambiri ubwino ndi mtengo. Chomera chimodzi chachimuna chingathe kubala munda wonse.

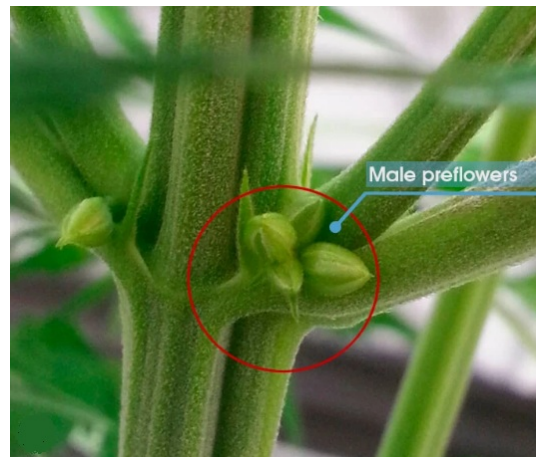
Momwe Mungadziwire Zachimuna ndi Zachikazi

Pakutha pa masabata 4–6, mudzaona 'maluwa oyambirira' (pre-flowers) kumera pa mfundo:

- **Zachikazi:** Zinthu zazing'ono ngati mtunda za mtima (calyxes) zokhala ndi ubweya woyera uwiri wotuluka pamwamba. Ubweya umenewu umawoneka ngati 'V' yaing'ono yoyera.
- **Zachimuna:** Matumba ozungulira ngati mpira omwe amayangana pansu monga tikapu tazing'ono ta mphesa. ZILIBE ubweya woyera (pistils).



Zachikazi — ubweya woyera ukutuluka ngati 'V' pa mfundo



Zachimuna — matumba ozungulira a ufa wobala pa mifundo. CHOTSANI CHOMERA ICHI NTHAWI YOMWEYO



Chomera chachimuna ndi chachikazi pa nthawi imodzi — chimasonyeza ZONSE matumba achimuna ndi ubweya wachikazi. CHOTSANI CHOMERA ICHI

Zomwe muyenera kuchita: Onetsetsani chomera chilichonse mosamalitsa pa masabata 4–6. Chotsani zomera ZONSE zachimuna nthawi yomweyo pozichotsa ndi mizu yake yonse ndikuzitaya kutali ndi munda wanu.

Moyo wa Cannabis

Cannabis imadutsa m'nthawi zosiyana pa moyo wake:

- **Kumera (masiku 3–10):** Mbewu imimwa madzi, imaphuka, ndipo muzu wamphamvu umatuluka.
- **Nthawi ya Mbewu Yaing'ono (masabata 2–3):** Masamba oyamba amaonekera ndipo chomera chimadzimangira.
- **Kukula kwa Masamba (masabata 3–16):** Chomera chimakula mofulumira, kupanga mitsinde, nthambi, ndi masamba.
- **Kuphuka (masabata 6–12):** Chomera chimayamba kupanga maluwa.
- **Kukolola, Kuumitsa ndi Kusunga:** Nthawi yomaliza yomwe ntchito yanu yosamalitsa imapindula.

III. Kusankha Mbewu

Kumvetsa mitundu yosiyana ya mbewu ndikofunikira kupanga zisankho zoyenera kwa zofuna zanu ndi malo anu olima.

1. Mbewu za Chikazi (Feminised)

- **Zachikazi Zotsimikizidwa:** Pafupifupi zomera zonse zimabereka chikazi. Zimachotsa kufunika kozindikira ndi kuchotsa zachimuna.
- **Kukolola Kokhazikika:** Mbewu yogwirizana kwambiri pa ubwino wa maluwa.
- **Ntengo Wapamwamba:** Mbewu zachikazi zimadza ndi ntengo wapamwamba chifukwa cha njira yobereka yapadera.

2. Mbewu Zodziwika (Regular)

- **Kusankha Kwachibadwa:** Zili ndi zachimuna ndi zachikazi pafupifupi 50/50.
- **Ntengo Wotsika:** Nthawi zambiri ndi njira yotsika mtengo kwambiri.

3. Mbewu Zodziukira (Autoflowering)

- **Kuphuka Mofulumira:** Zimayamba kuphuka payokha pambuyo pa nthawi yake.
- **Kukolola Kangapo:** Kupanga mbewu mofulumira kumalola kuthekera kokolola kangapo pachaka.

Mitundu ya Nyengo Yotentha ya ku Africa

- **Yolimba ku Kutentha:** Durban Poison, Malawi Gold, Chocolate.
- **Kuphuka Mofulumira:** Northern Lights, OG Kush.

V. Kumera kwa Mbewu

Kumera ndi njira yomwe mbewu imayamba moyo. Mbewu yomwe yamela bwino idzaphuka ndikupanga muzu waung'ono woyera wotchedwa taproot.

Nyengo Zabwino za Kumera

- **Kutentha:** Mbewu zimamera bwino pa 20–30°C.
- **Chinyonho:** Mbewu zimafuna chinyonho chokhazikika koma siziyenera kukhala m'madzi oima.
- **Mdima:** Mbewu zimamera bwino mumdima.
- **Chipiriro:** Kumera kumatenga masiku 3–10.

Njira 1: Njira ya Taulo ya Pepala (Yovomerezeka)

- **Njira 1:** Tengani mapepala awiri a taulo. Nyezetsani kuti akhale a chinyonho koma osachucha.
- **Njira 2:** Ikani mbewu pa pepala limodzi la chinyonho, zosiyana. Phimbani ndi pepala lachiwiri.
- **Njira 3:** Ikani mkati mwa mbale. Phimbani kuti mupange malo amdima ndi achinyonho.
- **Njira 4:** Sungani pamalo otentha (20–30°C). Onetsetsani tsiku lililonse.
- **Njira 5:** Mkati mwa masiku 3–10, muzu woyera umatuluka. Mukafika 1–2 cm, mbewu yikonzeka kubzalidwa.

Samalani: Muzu ndi wofewa kwambiri. Gwiritsitsani ntchito tweezers kapena mutenge mbewu ndi mkanda wake. Musakhudze muzu ndi zala zanu.



Mbewu ya cannabis yomwe yamela — muzu woyera wa 1–2 cm ukutuluka

VII. Nthawi ya Mbewu Yaing'ono (Masabata 1–3)

Nthawi ya mbewu yaing'ono ndi nthawi yoopsa kwambiri. Mbewu zazing'ono ndi zofewa ndipo zimafuna chisamaliro chachikulu.

Zomwe Muyembekezere

- **Cotyledons:** Masamba awiri oyamba, ozungulira, aang'ono. Amenewa si masamba enieni a cannabis.
- **Masamba Enieni:** Pambuyo pa cotyledons, mudzaona masamba oyamba enieni a cannabis okhala ndi msempha. Magulu otsatira adzakhala ndi zitsulo zambiri (1, kenako 3, kenako 5, kenako 7).



Cotyledon — masamba oyamba ozungulira akutuluka m'mbewu



Masamba oyamba enieni okhala ndi chitsulo chimodzi



Chomera chaing'ono chabwino cha cannabis chokhala ndi magulu ambiri a masamba

Chisamaliro cha Mbewu Zazing'ono

- **Kuwala:** Kuwala kofatsa, kokhazikika. Mu dzuwa lamphamvu la ku Africa, kuwala kwa m'mawa kapena mthunzi kwa sabata yoyamba.
- **Madzi:** Mofatsa ndiponso pang'ono. Nthaka iyenera kukhala ya chinyonho koma osadzaza. Kuthirira kwambiri ndi chifukwa chachikulu chotipha mbewu zazing'ono.
- **Kutentha:** Sungani 20–25°C ngati ndi kotheka. Perekani mthunzi nthawi yotentha kwambiri ya tsiku.
- **Zakudya:** MUSAWONJEZERE zakudya zilizose nthawi ya mbewu zazing'ono. Mbewu ili ndi zakudya zonse zomwe zimafunikira kwa masabata oyamba 2–3.

VIII. Kukula kwa Masamba ndi Chisamaliro

Nthawi ya masamba ndi pamene chomera chanu chimakula mofulumira. Nthawi imeneyi ingathe kukhala masabata 3 mpaka 16. Chomera chimamanga kapangidwe kake kuti chithandize maluwa olemera nthawi ya kuphuka.

Kuthirira Nthawi ya Masamba

- **Kuthirira Kwambiri:** Kumalepheretsa mpweya kufika ku mizu. Zizindikiro: kunyala ngakhale nthaka ili yamadzi.
- **Kuthirira Pang'ono:** Kumapangitsa kukula pang'onopang'ono. Zizindikiro: msempha wa masamba wowuma.
- **Kuyesa ndi Chala:** Lowetsani chala chanu 2–3 cm mu nthaka. Ngati ili ya chinyonho, dikirani. Ngati yawuma, thiritsani bwino.

Zakudya za Chomera

Pa nthawi ya masamba, cannabis ndi chomera chamnjala. Zakudya zitatatu zazikulu ndi nitrogen (N), phosphorus (P), ndi potassium (K):

- **Nitrogen (N):** Wofunikira kwambiri pa nthawi ya masamba. Amathandiza kukula kwa masamba ndi tsinde.
- **Phosphorus (P):** Amathandiza mizu ndi kutumiza mphamvu. Ofunikira kwambiri nthawi ya kuphuka.
- **Potassium (K):** Amathandiza thanzi lonse, madzi, ndi kulimba ku matenda.



Kuchepa kwa Nitrogen — masamba akumunsi amayela



Kuchepa kwa Phosphorus — masamba amasinthu kukhala akuda/ofiira



Kuchepa kwa Potassium — msempha wa masamba umawotcha ndi kuuma



Chomera cha cannabis cholimba nthawi ya masamba — masamba obiriwira, kapangidwe kolimba

IX. Kuphuka ndi Kukonzekera Kukolola

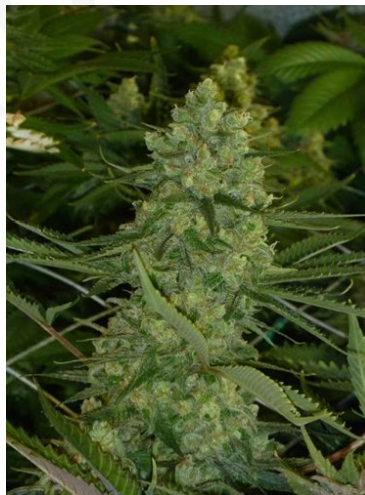
Nthawi ya kuphuka ndi pamene chomera chanu chimasiya kukula kotalika ndikutembenukira mphamvu zonse kupanga maluwa.

Kuona Kukula kwa Maluwa

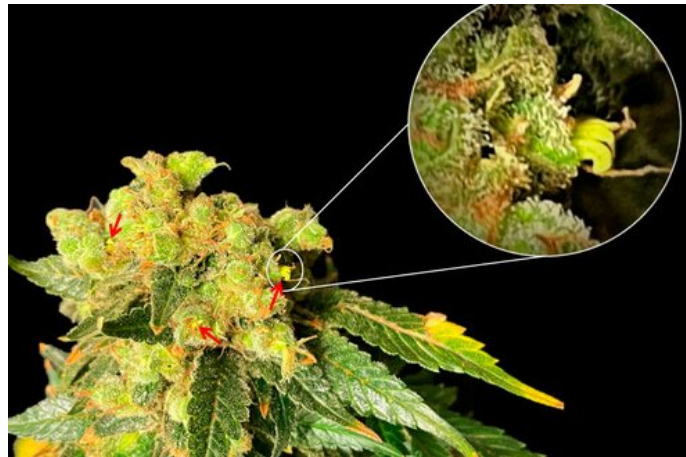
- **Masabata 1–2:** Chomera chimakula ndikuyamba kupanga ubweya woyera pa mfundo.
- **Masabata 3–4:** Maluwa amayamba kupangika pomwe ubweya umasonkhana pamodzi.
- **Masabata 5–6:** Maluwa amatupa ndikukhala olimba. Trichomes zimaonekera ngati chisanu chokhala ndi chipale.
- **Masabata 7+:** Maluwa amapitiriza kupsa. Ubweya umayamba kusintha kuchokera woyera kupita ku wofiira/wakuda.



Masabata 1–2: Ubweya woyera woyambirira ukutuluka



Masabata 3–4: Maluwa akupangika ndi kutupa



Masabata 6+: Maluwa olimba ndi trichome zambiri

Kudziwa Nthawi Yoye Kukolola — Njira ya Trichome

Pogwiritsa ntchito galasi lokulitsa, onetsetsani trichome pa maluwa:

- **Trichome zoyera** = SIZINAKONZEKE. Chomera chikupitirira kukula.
- **Trichome zamkaka/zavundira** = THC YAPAMWAMBA. Ino ndi nthawi yabwino yoye kukolola.
- **Trichome zofiira** = THC ikutha. Mphamvu yogonetsa.



Trichome: Zoyera (osati okonzeka) → Zamkaka (THC yapamwamba) → Zofiira (THC ikutha)



Kusintha kwa mtundu wa ubweya: <50% (msanga) → 60–70% (akuyandikira) → 80–90% (okonzeka kukolola)

X. Kukolola, Kuumitsa ndi Kusunga

Ino ndi nthawi yomwe imasiyanitsa cannabis yabwino kwambiri ndi yowonongeka. Alimi ambiri amatayirira ndalama zambiri chifukwa chosamalira mbewu moyipa pambuyo pa kukolola.

Kukolola

- **Nthawi:** Kololani m'mawa mwamsanga dzuwa lisanatenthe, pamene terpene zili zambiri.
- **Kudula:** Gwiritsani ntchito zida zoyera, zakuthwa. Dulani pansi pa tsinde lalikulu.
- **Samalani:** Musakhuze maluwa ndi manja. Mafuta ndi kutentha kwa manja kumawononga trichome.

Kuumitsa

Cholinga ndi kuchotsa chinyonthe pang'onopang'ono kwa masiku 7–14.

- **Njira:** Pachikani nthambi mwamusana pa zingwe mumalo amdima, opuma bwino.
- **Kutentha:** 15–21°C ndikoyenera. Mu nyengo yotentha ya ku Africa, gwiritsani ntchito malo ozizira kwambiri.
- **Chinyonthe:** 45–55%. Chinyonthe chambiri chimapangitsa fungus; chinyonthe chochepa chimaumitsa mofulumira kwambiri.
- **Mpweya:** Mpweya wofatsa kuzungulira maluwa. MUSAPONYE mphepo molunjika pa maluwa.



Kuumitsa moyenera — nthambi za cannabis zapachikidwa mwamusana pa zingwe



Kusunga mu mabotolo a galasi — odzazidwa pafupifupi 75%

XIII. Mavuto Odziwika ndi Chithandizo

Ngakhale alimi odziwa bwino amakumana ndi mavuto. Chofunikira ndi kuzindikira mavuto msanga ndi kuchitapo kanthu.

Tizilombo Toyipa

Aphids (Nsabwe)

Momwe mungadziwe: Tizilombo tazing'ono (1–3 mm) tomwe timasonkhana pa kukula kwatsopano ndi kumunsi kwa masamba.

Momwe mungathandizire:

- **Mankhwala a Neem:** Sakanizani 5 ml ya mafuta a neem ndi litala 1 ya madzi otentha ndi madontho 2–3 a sopo. Wombetsani bwino ndikupopera pa mbali zonse za chomera. Bwerezani masiku 3–5.
- **Sopo:** Sakanizani 5 ml ya sopo wachibadwa ndi litala 1 ya madzi. Poperani mwachindunji pa nsabwe.



Nsabwe — tizilombo tazing'ono tofewa tomwe timasonkhana pa masamba

Spider Mites (Makankhanga)

Momwe mungadziwe: Tizilombo tazing'ono kwambiri kumunsi kwa masamba. Chizindikiro choyamba ndi ukonde wofewa pakati pa masamba.

Momwe mungathandizire:

- **Mankhwala a Neem:** Njira yomweyo monga ya nsabwe. Bwerezani masiku 3 kwa masabata 2 — makankhanga amaberekanso mofulumira.
- **Wonjezerani chinyontho:** Makankhanga amakonda malo otentha, owuma.



Ukonde wa makankhanga — ukonde wofewa pa masamba a cannabis

Mbozi (Caterpillars)

Momwe mungadziwe: Malo odaya oonekeratu — mabobo mu masamba. Ndowe za mbozi (mipira yaing'ono yakuda) pa masamba.

- **Kudzichotsa ndi manja:** Onetsetsani zomera tsiku lililonse. Chotsani mbozi iliyonse.
- **BT spray:** Mankhwala achibadwa omwe amapha mbozi koma ndi otetezeka kwa anthu.



Kuwonongeka kwa mbozi — mabobo a kudya ndi msempha wodya

Whiteflies (Ntchentche Zoyera)

Momwe mungadziwe: Tizilombo toyera tokuwuluka tazing'ono (1–2 mm) kumunsi kwa masamba.

- **Mankwala a Neem:** Njira yomweyo monga pamwambapo.
- **Matabwa Okola Achikasu:** Ntchentche zoyera zimakokeka ndi chikasu. Phimbani makadi achikasu ndi mafuta ndikuwapachika pafupi ndi zomera.
- **Kubzala Pamodzi:** Bzalani marigold ndi basil mozungulira cannabis.



Ntchentche zoyera — tizilombo toyera tokuwuluka kumunsi kwa masamba

Fungus ndi Mould

Bud Rot (Kuola kwa Maluwa)

Momwe mungadziwe: Fungus yakuda, yaubweya mkati mwa maluwa olimba. Maluwa amawotcha ndikukhala openya.

- **Chotsani nthawi yomweyo:** Dulani maluwa odwala pamalo 5 cm kumunsi kwa fungus yomwe mungaione. Tayani kutali ndi munda wanu. MUSAIKE mu composti.
- **Pangani mpweya wabwino:** Chotsani masamba ena akumunsi. Onetsetsani pali mpata wokwanira pakati pa zomera.



Bud rot — fungus yakuda mkati mwa maluwa

Powdery Mildew (Ufa Woyera)

Momwe mungadziwe: Malo oyera, aufa pa masamba. Amayambira ngati malo ozungulira aang'ono oyera ndikufalikira mofulumira.

- **Chotsani masamba odwala:** Dulani masamba okhala ndi ufa woyera. Ikani mu thumba — musawagwedeze.
- **Mkaka:** Sakanizani gawo 1 la mkaka ndi magawo 9 a madzi. Poperani pa masamba onse m'mawa. Bwerezani masiku 5–7. Njira imeneyi ndi yotsika mtengo komanso yothandiza kwambiri.
- **Baking soda:** Thetsani 1 tablespoon ya baking soda ndi madontho 2–3 a sopo mu malitala 4 a madzi. Poperani pa masamba onse.



Powdery mildew — malo oyera aufa pa masamba a cannabis

Njira ya Neem Oil — Chizindikiro Chofulumira

Mafuta a Neem ndi mankhwala anu amodzi othandiza kwambiri. Amathandiza kuthetsa nsabwe, makankhanga, ntchentche zoyera, mbozi, ndi powdery mildew:

- **Zinthu:** 5 ml mafuta a neem, litala 1 ya madzi otentha, madontho 2–3 a sopo.
- **Njira:** Sakanizani sopo mu madzi otentha kaye, kenako wonjezani mafuta a neem. Wombetsani bwino.
- **Kagwiritsidwe Ntchito:** Poperani pa mbali zonse za chomera. Gwiritsani ntchito m'mawa kapena madzulo — osagwiritsa ntchito mu dzuwa lotentha.
- **Kuchulukuka:** Masiku 3–5 pa matenda omwe alipo. Masiku 7–10 ngati munjira yoteteza.
- **Chofunikira:** Siyani kugwiritsa ntchito mafuta a neem masabata 2 musanakolole.

XIV. Mathero ndi Chidziwitso cha Malamulo

Buku limeneli lakutengerani mu ndondomeko yonse ya ulimi wa cannabis. Tikukulimbikitsani kuti:

- **Yambani pang'ono.** Yambani ndi zomera zochepa musanakulitse.
- **Sungani zolembedwa.** Lembani chilichonse — zomwe munabzala, liti, ndi zomwe munagwiritsa ntchito.
- **Konzekerani msika.** Lumikizanani ndi HeKa Consultants musanabzale.
- **Sinthani njira yanu.** Nyengo yanu ingathe kufuna kusintha.

Kutsatira Malamulo

Ulimi wa cannabis umayendetsedwa ndi malamulo. Ku Malawi, cannabis imayendetsedwa ndi Cannabis Regulatory Authority (CRA) pansa pa Cannabis Regulation Act 2020. Alimi onse ayenera kukhala ndi chilolezo chovomerezeka musanayambe kulima cannabis. Kulima popanda chilolezo ndi mlandu.

Lumikizani ndi HeKa Consultants

Ngati ndinu mlimi wovomerezeka amene akufuna ogula, gulu la alimi lomwe likufuna mwayi wa msika, kapena katapira amene akufufuza mwayi wa cannabis ku Africa, HeKa Consultants ali okonzeka kukuthandizani.

Ofesi ya ku London

HeKa Consultants, London, United Kingdom

Ofesi ya ku Accra

HeKa Consultants, Accra, Ghana

Ofesi ya ku Blantyre

HeKa Consultants, Blantyre, Malawi

Imelo: info@hekaconsultants.com

Tsamba la pa intaneti: www.hekaconsultants.com

HeKa Consultants — Upangiri Wapamwamba wa Cannabis ku Africa

Buku limeneli ndi gawo la Maphunziro a Ulimi wa Cannabis omwe anapangidwa ndi anthu omwe adakhazikitsa HeKa Consultants — maphunziro akuluakulu a ulimi wa cannabis omwe anachitika ku Africa. Likuperekedwa kwaulere. Tikupempha mwaulemu kuti zinthu izi zisagulidwe kapena kugulitsidwa kuti anthu apeze ndalama.