

Mwayi wa Hemp

Kafukufuku wa Msika, Ndongomeko ya Bizinesi ndi Buku la Ulimi kwa Alimi a ku Malawi

Kumvetsa Msika wa Hemp wa Padziko Lonse ndi Momwe Mungalimire Hemp ku Malawi

Lofalitsidwa ndi **HeKa Consultants**

Buku limeneli lapangidwa kuthandiza alimi a ku Malawi, magulu a alimi, ndi katapira kumvetsa msika wa hemp wa padziko lonse ndi mwayi waukulu wa chuma womwe umabweretsa ku Malawi. Limaphatikiza kafukufuku wa msika ndi ndondomeko ya bizinesi ndi buku la ulimi.

Buku limeneli likuperekedwa kwaulere. Tikupempha mwaulemu kuti buku limeneli lisagulidwe kapena kugulitsidwa kuti anthu apeze ndalama. Cholinga chake ndi kugawidwa mwaufulu kuthandiza kukula kwa makampani a hemp ku Malawi ndi ku Africaonse.

Buku limeneli likupezekanso mu Chingerezi (English).

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HeKa Consultants

I. Mawu Oyamba

Hemp ndi imodzi mwa mwayi wa ulimi omwe ukukula mofulumira kwambiri padziko lonse. Msika wa hemp wa padziko lonse unali wofunika pafupifupi \$9.5–11.4 biliyoni mu 2024 ndipo ukuyembekezeka kukwana \$47–72 biliyoni pofika 2032–2033, ukukula pa 17–24% pachaka. Kufuna kwa hemp fibre, zinthu zomangira, nsalu, ndi katundu wopangidwa ndi hemp kukupitirira zomwe zikupezeka ku Europe, North America, ndi ku Asia.

Malawi ali pa malo abwino kukhala wogulitsa wamkulu ku msika umenewu. Ndi nyengo yoyenera yolima hemp pabwalo, anthu ogwira ntchito za ulimi omwe akhazikika, malamulo omwe alipo kale, ndi mwayi woyamba pakati pa maiko a ku Africa, Malawi ali ndi mphamvu yomanga makampani a hemp omwe amabweretsa ndalama zakunja, kupanga ntchito zikwi zikwi, ndi kupereka kwa alimi njira yopindulitsa m'malo mwa fodya.

Buku limeneli lapangidwa ndi HeKa Consultants kuthandiza alimi a ku Malawi, magulu a alimi, ndi katapira kumvetsa mwayi wa hemp. Limaphatikiza kafukufuku wa msika ndi ndondomeko ya bizinesi ndi buku la ulimi la njira ndi njira. HeKa Consultants amagwira ntchito mwachindunji ndi ogula akunja ndipo angathe kuthandiza opanga a ku Malawi kukhazikitsa mapangano ogulira.

II. Kodi Hemp Ndi Chiyani?

Hemp ndi mtundu wa Cannabis sativa womwe umalimidwa pa zolinga za makampani ndi malonda. Ndi mtundu womwewo wa cannabis, koma mitundu ya hemp yapangidwa kukhala ndi THC yotsika kwambiri — nthawi zambiri pansi pa 0.3–1.0% kutengera malamulo a dziko. Ku Malawi, malire a THC a hemp ndi 1.0% pansi pa Cannabis Regulation Act 2020.

Hemp ndi imodzi mwa mbewu zakale kwambiri zomwe anthu adalima, ndi umboni wosonyeza kugwiritsidwa ntchito kwa zaka zopitirira 10,000. Ndi chomera chokhala ndi ntchito zambiri kwambiri chomwe chingathe kupangidwa kukhala katundu wopitirira 50,000 wosiyana, kuphatikizapo zinthu zomangira, nsalu, zingwe, pepala, bioplastics, bedi la nyama, zakudya, ndi mankhwala a thanzi.

Gawo lililonse la chomera cha hemp lili ndi mtengo wamalonda:

- **Fibre (bast):** Ulusi wolimba wakunja wa tsinde, umene umagwiritsidwa ntchito mu nsalu, zingwe, composites, ndi zokhudza magalimoto.
- **Hurd (shiv):** Mkati wofewa wa tsinde, umene umagwiritsidwa ntchito mu hempcrete (zinthu zomangira), bedi la nyama, ndi zomwa zamadzi.
- **Mbewu:** Zolemera mu protein ndi omega fatty acids. Zimagwiritsidwa ntchito kwa zakudya (hemp hearts, mafuta a hemp, mkaka wa hemp) ndi chakudya cha nyama.
- **Maluwa:** Akhoza kukhala ndi CBD ndi cannabinoid ena kwa katundu wa thanzi.
- **Mizu:** Imagwiritsidwa ntchito mu mankhwala achikuda ndi kukonza nthaka.

III. Hemp ndi Cannabis: Kusiyana pa Ulimi

Ngakhale hemp ndi cannabis ndi mtundu womwewo (Cannabis sativa), zimalimidwa mosiyana kwambiri. Izi ndizofunikira kwa alimi a ku Malawi kumvetsa, chifukwa hemp ndi yosavuta kwambiri kulima kuposa cannabis. Alimi omwe amasinthiratu kuchokera ku fodya kapena chimanga adzapeza hemp yodziwika kwambiri kuposa ulimi wa cannabis.

Chinthu	Cannabis	Hemp
Kuchotsa zachimuna	Kofunikira — zachimuna ziyenera kudziwika ndi kuchotsedwa	Sikofunikira — zachimuna ndi zachikazi zimalima pamodzi
Kuyang'anira trichome	Kofunikira — nthawi yoye kukolola imatengera mtundu wa trichome	Sikofunikira — kukolola kutengera kupsa kwa tsinde
Kubzala	Potenga malo aakulu (30–120 cm pakati pa zomera)	Mobzala mozaza ngati mbewu (30–60 kg/ha)

Udzu	Kwambiri — umafuna kupalira kawirikawiri	Pang'ono — chomera chozaza chimapha udzu
Tizilombo	Pakati — tizilombo tosiyana timaopa cannabis	Pang'ono — hemp imagwirizana ndi chiletso cha tizilombo
Nthawi ya kukula	Miyezi 4–7	Masiku 90–120
Kukulola	Kukulola ndi manja maluwa aliyense payekha	Kukulola mitsinde yonse — makina kapena manja

Mfundo yaikulu kwa alimi: Ngati mungathe kulima fodya kapena chimanga, mungathe kulima hemp. Imafuna chidziwitso chochepa kuposa cannabis, zinthu zochepera, kuyang'anira kochepera, ndipo ingathe kukoloredwa ndi njira zodziwika kwa alimi a ku Malawi.

IV. Msika wa Hemp wa Padziko Lonse

Msika wa hemp wa padziko lonse ukukula mofulumira. Makampani angapo a kafukufuku a msika anavomerezera msika pa \$9.5–11.4 biliyoni mu 2024, ndi kuganiza kwa \$47 biliyoni mpaka \$72 biliyoni pofika 2032–2033, kutanthauza kukula kwa 17–24% pachaka.

Europe tsopano imalandira pafupifupi 31% ya msika wa padziko lonse ndipo ndi malo ofunikira kwambiri a kufuna hemp fibre ndi zinthu zomangira. Mitengo ya hemp hurd ku Europe yakha'i pa €200–450 pa tani, ndipo kufuna kwafotokozedwa ndi amalonda a ku London ngati 'yodzadza' pomwe zinthu zisakwanire pa mtengo uliwonse.

Hempcrete ndi Zomangira

Msika wa hempcrete unali wofunika pafupifupi \$805 miliyoni mu 2024 ndipo ukuyembekezeka kukwana \$2.18 biliyoni pofika 2032. Mapulojekiti opitirira 1,500 omanga ku Europe agwiritsa ntchito zinthu zopangidwa ndi hemp.

Magalimoto

Opanga magalimoto akuluakulu akugwiritsa ntchito hemp composites kwa mapanelo amkati, zophimba zitseko, ndi zinthu zapakati. BMW's i3 inachepetsa kulemera ndi 350 kg pogwiritsa ntchito mapanelo a hemp. Mercedes-Benz imagwiritsa ntchito zinthu 24 za hemp pa galimoto iliyonse ya C-class.

Hemp Fibre ndi Nsalu

Msika wa hemp fibre unali wofunika \$3.03–\$5.78 biliyoni mu 2024. Kufuna padziko lonse kukupitirira kwambiri zomwe zikupezeka, kupanga mwayi kwa maiko atsopano opanga.

Zakudya ndi Thanzi

Mbewu za hemp (hemp hearts) ndi chakudya cha mtengo wapatali cha thanzi cholemera mu protein ndi fatty acids zofunikira. Mafuta a mbewu za hemp amagwiritsidwa ntchito mu zakudya ndi zokongoletsa.

V. Hemp Imagwiritsidwa Ntchito Chiyani

Hemp ingathe kupangidwa kukhala katundu wopitirira 50,000. Nazi ntchito zamalonda zofunikira kwambiri:

- **Hempcrete (zomangira):** Chosakaniza cha hemp hurd, laimu, ndi madzi chomwe chimapanga chinthu chomangira chopumira, chosunga kutentha.
- **Mapanelo a magalimoto:** Hemp fibre imalokola m'malo mwa fibreglass ndi carbon fibre mu zinthu za magalimoto. Yopepuka, yolimba, ndi yobwino kwa chilengedwe.
- **Nsalu ndi zovala:** Hemp fibre imapanga nsalu yolimba, yopumira. Zovala za hemp zikukula ngati njira yobwino kwa chilengedwe m'malo mwa thonje.

- **Zingwe:** Imodzi mwa ntchito zakale za hemp. Zingwe za hemp ndi zolimba kwambiri ndiponso zolimba ku madzi amchere.
- **Zakudya:** Hemp hearts, ufa wa protein wa hemp, mafuta a hemp, mkaka wa hemp. Zolemera mu protein, omega-3 ndi omega-6.
- **CBD ndi thanzi:** Maluwa a hemp angathe kupangidwa kuti atulutse CBD kwa mafuta, zokhudza thupi, ndi mankhwala owonjezera.
- **Pepala:** Hemp imapanga pepala maulendo anayi kuposa mitengo pa hectare ndipo simafunika kudula mitengo.
- **Bioplastics:** Ma plastics opangidwa ndi hemp amawola ndipo akugwiritsidwa ntchito m'malo mwa ma plastics a mafuta.
- **Bedi la nyama:** Hemp hurd ndi yomwa yamadzi kwambiri ndipo imapanga bedi labwino kwa akavalo ndi nyama.
- **Insulation:** Hemp fibre insulation kwa nyumba. Yopumira, yopanda poizoni, yolimba ku moto.

VI. Ndani Akugula? Kupeza Ogula

Kumvetsa amene amagula hemp ndi zomwe amafuna ndikofunikira kwa mlimi aliyense kapena gulu la alimi lomwe likuganiza za ulimi wa hemp.

Kufuna kwa hemp fibre, hurd, ndi mbewu kukuyendetsedwa ndi makampani akuluakulu a zomangira ku Europe, opanga magalimoto, amalonda, opanga nsalu, ndi opanga zinthu a ku Africa. Zomwe zikupezeka tsopano sizingathe kukwanira kufuna kwa magawo angapo.

HeKa Consultants amagwira ntchito mwachindunji ndi ogula akunja ndipo angathe kuthandiza alimi a ku Africa ndi magulu a alimi kukhazikitsa mapangano ogulira. Lumikizanani nafe musanabzale kuti tikambirane zomwe ogula amafuna ndi kufika ku msika.

VII. Mwayi wa Malawi: Kusintha kwa Chuma cha Dziko

Hemp ikubweretsa mwayi waukulu wa kusintha chuma ku Malawi pa ngazi ya dziko. Kupatula ndalama za famu iliyonse, makampani a hemp omwe akupita bwino angabweretse ndalama zakunja, kupanga ntchito mu njira yonse ya mtengo, kuchepetsa kudalira fodya, ndi kuika Malawi ngati woyamba ku Africa.

Ndalama Zakunja

Ndi mitengo ya hemp hurd ku Europe pa €200–450 pa tani ndi mitengo ya hemp fibre yomwe ndi yakwambiri, ngakhale ulimi wotsika wa hectare 10,000 ungate kubweretsa ndalama zakunja zamamiliyoni a madola pachaka.

Ndalama za Boma

Makampani a hemp amabweretsa ndalama za boma kudzera mu njira zambiri: ndalama za chilolezo, msonkho wogulitsira kunja, misonkho ya makampani, ndi mwina carbon credits kuchokera ku mphamvu za hemp zomwa CO₂ (tani 9–15 za CO₂ zomwedwa pa hectare).

Kupanga Ntchito

Njira ya mtengo wa hemp imapanga ntchito pa nthawi iliyonse: ulimi, kukolola, kuumitsa, decortication (kulekanitsa fibre ndi hurd), kubatcha, kutumiza, kuyang'anira ubwino, ndi logistics yogulitsira kunja.

M'malo mwa Fodya

Kufuna kwa fodya padziko lonse kukutsika pamene kudziwa za thanzi kukuwonjezeka ndi malamulo otsutsana ndi kusuta akukhazikitsidwa. Kudalira kwa Malawi pa fodya yogulitsira kunja kumayimira choopsya chachikulu cha chuma. Hemp, ndi msika okokula pa 17–24% pachaka motsutsana ndi kuchepa kwa fodya, ikupereka mbewu ina yotheka yomwe ingathe kugwiritsa ntchito zomwe zilipo kale.

Kuganiza kwa Ndalama

Ndondomeko	Hectare	Zokolola (tani/ha)	Ndalama pa hectare	Ndalama zonse pachaka
Yotsika	5,000	7	\$1,400–\$3,150	\$7–\$15.75 miliyoni
Yapakati	10,000	10	\$2,000–\$4,500	\$20–\$45 miliyoni
Yapamwamba	25,000	12	\$2,400–\$5,400	\$60–\$135 miliyoni

Zambiri: Mitengo imasintha kutengera mtundu wa katundu (fibre, hurd, mbewu), mlingo wopanga, ndi mitengo ya msika.

VIII. Malamulo a Malawi

Ulimi wa hemp ku Malawi umayendetsedwa ndi Cannabis Regulation Act 2020, yomwe imayendetsedwa ndi Cannabis Regulatory Authority (CRA). Hemp inayamba kuvomerezedwa ku Malawi mu 2015, kupanga Malawi imodzi mwa maiko oyambirira ku Africa kuvomereza ulimi wa hemp.

- **Malire a THC:** Hemp iyenera kukhala ndi THC yosapitirira 1.0%. Izi ndi zovomerezeka kwambiri kuposa EU (0.3%) ndi US (0.3%), kupereka ufulu kwa alimi a ku Malawi.
- **Chilolezo:** Ulimi wonse wa hemp umafuna chilolezo kuchokera ku CRA. CRA yapereka zilolezo zopitirira 86 mpaka pano.
- **Kutsatira Malamulo:** Okhala ndi chilolezo ayenera kutsatira malamulo a CRA kuphatikizapo kusunga zolembedwa, kuyendera kwa malo, ndi kuyesa THC.

HeKa Consultants angathe kuthandiza alimi ndi magulu a alimi kupeza chilolezo ndi kuonetsetsa kuti akutsatira malamulo.

IX. Momwe Mungalimire Hemp ku Malawi: Buku la Mlimi

Gawo limeneli likupereka buku la njira ndi njira la kulima hemp ku Malawi. Hemp ndi yosavuta kwambiri kulima kuposa cannabis — ngati mungathe kulima fodya kapena chimanga, mungathe kulima hemp.

9.1 Kumvetsa Chomera cha Hemp

Hemp ndi chomera chotalika, chokula mofulumira chomwe chimafika 2–4 mita kutalika pa masiku 90–120 a kukula. Mosiyana ndi cannabis yomwe imalimidwa kuti ipange maluwa, hemp nthawi zambiri imalimidwa kuti ipange mitsinde (fibre ndi hurd), mbewu, kapena zonse. Zachimuna ndi zachikazi zimalima pamodzi — palibe chifukwa chodziwira kapena kuchotsa zachimuna.

9.2 Kusankha Mbewu

Mtundu wa hemp womwe mubzala umadalira msika wanu:

- **Mitundu ya Fibre:** Yopangidwa kuti ikhale ndi mitsinde yotalika yokhala ndi ulusi wolimba. Mitsala: Futura 75, Fedora 17, USO 31.
- **Mitundu ya Mbewu:** Yopangidwa kuti ipange mbewu zambiri. Mitsala: Finola, CRS-1. Zimatengera msika wa zakudya.
- **Mitundu ya Ntchito Ziwiri:** Yopangidwa kuti ipange fibre ndi mbewu zokwanira.

Chofunikira: Onetsetsani kuti mbewu zanu zavomerezedwa ndipo zikutsatira malire a THC a 1.0% a ku Malawi.

9.3 Kukonzekera Nthaka

- **pH ya Nthaka:** Hemp imalola malo aakulu kuposa cannabis: pH 6.0–7.5.
- **Mtundu wa Nthaka:** Nthaka ya loamy yomwe imatsuka bwino ndi yabwino.
- **Kukonzekera:** Limani mpaka kuya kwa 15–20 cm. Chotsani miyala. Sakanizani ndi composti kapena manyowa akale ngati alipo.

- **Kutsuka:** Kutsuka bwino ndikofunikira. Hemp imalola chilala kuposa madzi okhazikika.

9.4 Kubzala

Hemp imabzalidwa mozaza, ngati mbewu ya chimanga:

- **Kwa fibre:** Bzalani 30–60 kg ya mbewu pa hectare. Kubzala mozaza kumalimbikitsa kukula kotalika, koongoka.
- **Kwa mbewu:** Bzalani 15–25 kg ya mbewu pa hectare. Malo aakulu amalola zomera kutambasuka ndi kupanga mbewu zambiri.
- **Kuya kwa kubzala:** 2–3 cm pansi.
- **Nthawi kwa Malawi:** Bzalani pa chiyambi cha nyengo yamvula (November–December) kwa ulimi wa mvula, kapena nthawi yowuma (May–June) ndi kuthirira. Nthawi ya masiku 90–120 ya hemp imalola kubzala kangapo pachaka ndi kuthirira.

9.5 Kukula ndi Chisamaliro

Imodzi mwa ubwino waukulu wa hemp ndi mmene zinthu zocheza zimafunikira nthawi ya kukula poyerekeza ndi cannabis:

- **Madzi:** Hemp imafuna madzi ochepa kuposa cannabis. Pa ulimi wa mvula nthawi ya mvula ya ku Malawi, mvula yachibadwa nthawi zambiri imakwanira.
- **Udzu:** Chomera cha hemp chozaza chimatsekedwa mkati mwa masabata 3–4, chimapha udzu payokha. Kupalira ndi manja kungathe kufunika masabata oyamba 2–3.
- **Tizilombo:** Hemp imagwirizana ndi chiletso cha tizilombo ndipo imafuna chithandizo chochepa. Mankhwala opheratu a tizilombo sayenera kugwiritsidwa ntchito.
- **Zakudya:** Hemp imapindula ndi nthaka yolembera mu nitrogen. Ikani composti kapena manyowa akale musanabzale.
- **Kuchotsa zachimuna:** SIKOFUNIKIRA kwa hemp. Ichi ndi ubwino waukulu pa ulimi wa cannabis.

9.6 Kukolola

- **Kwa fibre:** Kololani chomera chili ku maluwa oyambirira (mbewu zisanapangidwe). Apa ndipamene ubwino wa fibre uli wapamwamba. Dulani mitsinde pansi pogwiritsa ntchito chikwanje, panga, kapena makina odula.
- **Kwa mbewu:** Kololani pamene 60–70% ya mbewu zapsa (zasintha kukhala zakuda). Mbewu zingathe kuchotsedwa ndi manja.
- **Kwa ntchito ziwiri:** Kololani mbewu zitapsa. Ubwino wa fibre udzakhala wotsika kuposa kukolola kwa fibre yokha, koma mupeza katundu onse awiri.
- **Field retting (kwa fibre):** Mutadula, siyani mitsinde pamunda kwa masabata 2–4, mupoteze nthawi ndi nthawi. Chinyonthe ndi tizinthu ting'onozing'ono timasula ulusi kuchokera ku hurd. Nyengo yotentha, ya chinyonthe ya ku Malawi ndi yabwino kwa field retting.

9.7 Pambuyo pa Kukolola: Kuumitsa, Kupanga, ndi Kukonzekera Kugulitsa Kunja

- **Kuumitsa:** Mutayezetsa, umitsani mitsinde bwino. Mu nyengo ya ku Malawi, kuumitsa padzuwa pamunda kukugwira ntchito bwino. Mitsinde iyenera kuuma mokwanira kuti iswe bwino ikathyoledwa.
- **Decortication:** Izi ndi njira yolekanitsa ulusi wakunja wa bast ndi hurd yamkati. Zingathe kuchitika pogwiritsa ntchito makina a decorticator kapena njira zosavuta ndi manja.
- **Kubatcha:** Fibre ndi hurd zomwe zapangidwa ziyenera kubatchidwa kuti zitumizidwe.
- **Chinyonthe:** Hemp yogulitsira kunja iyenera kukhala ndi chinyonthe pansu pa 12%. Izi ndizofunikira — hemp yopitirira izi idzakhala ndi fungus nthawi ya kutumiza ndipo ogula adzakana.

- **Miyezo ya Ubwino:** Ogula a ku Europe amafuna hemp yomwe ndi yoyera, yopanda fungus, youmitsidwa bwino, ndi ya ubwino wokhazikika.

X. Ndondomeko ya Bizinesi kwa Alimi

Ndondomeko ya ndalama ya ulimi wa hemp ndi yolimba poyerekeza ndi mbewu zachikuda:

Mbewu	Ndalama pa hectare	Nthawi ya kukula	Momwe msika ulli
Hemp (fibre)	\$1,500–\$6,750	Masiku 90–120	Ukukula 17–24% pachaka
Fodya	\$300–\$800	Masiku 120–150	Ukutsika padziko lonse
Chimanga	\$200–\$400	Masiku 90–120	Wokhazikika koma phindu lotsika

Ndalama za hemp pa hectare ndi maulendo 2–8 kuposa fodya pa mlingo wa mlimi waing'ono, ndi nthawi yotsika yokula ndi ndalama zocheza zoikamo. Hemp simafuna mankhwala a tizilombo, feteleza wocheza poyerekeza ndi fodya, ndi palibe zomangira za ntengo wapatali zakuumsira.

Ndalama Zolowamo

- **Mbewu:** Ndalama zazikulu zolowamo. Mbewu zovomerezeka zingathe kuchepa kudzera mu kugula kwa gulu. HeKa Consultants angathe kuthandiza kupeza mbewu zotsika mtengo zovomerezeka.
- **Feteleza:** Zinthu za chibadwa (composti, manyowa) zimakwanira. Palibe feteleza wa mankhwala omwe amafunikira.
- **Tizilombo:** Ndalama za pafupifupi zero — chiletso cha tizilombo cha hemp chimachotsa kufunika kwa mankhwala opheratu.
- **Ntchito:** Kubzala ndi kukolola ndi zomwe zimafuna anthu kwambiri. Kupalira udzu ndi kocheza chitsekedwe chithyoledwe.

Magulu a Alimi (Cooperatives)

Ulimi wa hemp ndi woyenera kwambiri kwa magulu a alimi. Pophatikiza zinthu, magulu angathe kugula pamodzi zida za decortication, kupeza zotsika mtengo za mbewu, kukwanira zomwe ogula amafuna, ndi kugawana chidziwitso.

Uphungu wofunikira: Musabzale hemp popanda njira yowoneka bwino ya msika. Lumikizanani ndi HeKa Consultants musanabzale kuti tikambirane zomwe ogula amafuna ndi miyezo ya ubwino.

XI. Ubwino wa Chilengedwe

Hemp ndi imodzi mwa mbewu za ubwino waukulu kwa chilengedwe yomwe mlimi angalime:

- **Kumwa Carbon:** Hemp imimwa tani 9–15 za CO₂ pa hectare pa nthawi imodzi yokula. Izi ndi zambiri kuposa mitengo yambiri yomwe imimwa pa nthawi yomweyo.
- **Kukonza Nthaka:** Hemp imakonza thanzi la nthaka. Muzu wake wozama (mpaka mita 2) umaphwanyanya nthaka yolimba, kukonza kutsuka ndi mpweya kwa mbewu zotsatira.
- **Palibe Mankhwala Opheratu:** Chiletso cha tizilombo cha hemp chitanthauza kuti palibe mankhwala opheratu amafunikira, kuteteza nthaka, madzi, ndi thanzi la mlimi.
- **Kugwiritsa Ntchito Madzi Bwino:** Hemp imafuna madzi ochepa kwambiri kuposa thonje (mbewu ya ulusi yopikisana nayo) ndi mbewu zambiri zina.
- **Zamoyo Zosiyana:** Maluwa a hemp amapereka ufa wobala ndi nectar kwa njuchi ndi tizilombo tina tothandiza kubala.
- **M'malo mwa Kudula Mitengo:** Pepala la hemp ndi zinthu zomangira zingathe kulobera m'malo mwa katundu wa mtengo, kuchepetsa kusunthira kwa nkhalango.

XII. Mavuto Odziwika ndi Chithandizo

Hemp ili ndi mavuto ochepa kwambiri kuposa cannabis, koma mavuto ena angathe kubwera:

- **Kumera kosabwino:** Nthawi zambiri kumachitika ndi kubzala mozama kwambiri, nthaka yowuma kwambiri, kapena mbewu yakale/yowonongeka. Chithandizo: Bzalani pa 2–3 cm kuya, onetsetsani kuti nthaka ili ya chinyontho pobzala, gwiritsani ntchito mbewu zatsopano zovomerezeka.
- **Kukula koyamba pang'onopang'ono:** Kutentha kotsika kwa nthaka (pansi pa 10°C) kapena nthaka yopanda zakudya. Chithandizo: Bzalani nthaka ikatentha, ikani composti musanabzale.
- **Kugwa (lodging):** Kungathe kuchitika m'mabzala ozaza kwambiri nthawi ya mvula yamphamvu kapena mphepo. Chithandizo: Onetsetsani kubzala kolingana, sankhani mitundu yoyenera.
- **Mbalame zikuwononga mbewu:** Mbalame zingathe kudya mbewu zomwe zikupsa. Chithandizo: Kololani mbewu nthawi yomweyo 60–70% ya mbewu zitapsa.
- **Fungus nthawi ya retting:** Kuyezetsa kwambiri mu nyengo yamadzi. Chithandizo: Potezani mitsinde kawirikawiri nthawi ya retting, yezetsani nthawi yotsika yomwe imafunikira, umitsani bwino mutayezetsa.
- **Kupitirira malire a THC:** Kungathe kuchitika ndi mitundu ya mbewu yosavomerezeka kapena kupanikizika kwa chilengedwe. Chithandizo: Gwiritsani ntchito mbewu zovomerezeka, zoyesedwa basi ndikuyesetsani katundu musanagulitse.

XIII. Mathero ndi Zochita Zotsatira

Hemp imayimira imodzi mwa mwayi waukulu wa ulimi womwe ulipo kwa alimi a ku Malawi lero. Msika wa padziko lonse ukukula mofulumira, kufuna ku Europe kukupitirira zomwe zikupezeka, nyengo ya Malawi ndi yoyenera, ndipo malamulo alipo kale. Alimi omwe achitapo kanthu tsopano ali ndi mwayi woyamba mu zomwe zikuyembekezeka kukhala makampani a mabilyoni a madola padziko lonse.

Ngati ndinu mlimi kapena gulu la alimi lomwe lili ndi chidwi ndi ulimi wa hemp:

- Lumikizani ndi HeKa Consultants kuti tikambirane kufika ku msika, kudziwitsana ndi ogula, ndi mapangano ogulira.
- Pezani chilolezo chanu cha CRA kudzera ku Cannabis Regulatory Authority ya Malawi.
- Pezani mbewu zovomerezeka za mtundu wanu (fibre, mbewu, kapena ntchito ziwiri). HeKa angathe kuthandiza.
- Konzekerani nthaka yanu kutsatira malangizo a Gawo IX.
- Khazikitsani njira za ubwino kuyambira tsiku loyamba — sungani zolembedwa, limani moyera, umitsani bwino.
- Ganizani za kupanga gulu la alimi kuti mugawane ndalama, kuphatikiza zinthu, ndi kukwanira zomwe ogula amafuna.

Simuli nokha mu izi. HeKa Consultants ali okonzeka kukutsogolerani pa njira iliyonse, kuyambira chilolezo mpaka kubzala mpaka kupeza ogula wanu. Tilumikizeni.

XIV. Lumikizani ndi HeKa Consultants

Ngati ndinu mlimi wovomerezeka amene akufuna ogula, gulu la alimi lomwe likufuna mwayi wa msika, katapira amene akufufuza mwayi wa hemp, kapena nduna ya boma yomwe ikupanga ndondomeko ya hemp, 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

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HeKa Consultants — Upangiri Wapamwamba wa Cannabis ndi Hemp ku Africa

Buku limeneli likuperekedwa kwaulere kuthandiza kukula kwa makampani a hemp ku Malawi ndi ku Africa konse. Tikupempha mwaulemu kuti zinthu izi zisagulidwe kapena kugulitsidwa kuti anthu apeze ndalama.

HeKa Consultants