



## BBEST R-D Congo Policy Briefs

### RDC BBEST Mifundi ya Buludiki No 1 Tshiluba

Technologie wa nyunyi wa mvita mufike (MSN): bipeta bia buloba kudi ba-producteur bakese ba nyunyi ya nkutshi, ya ngulube, ya mishipa ne mu tshisalu tshia madimi mu RDC

*TSHITEYA CILUMBA Moise<sup>1</sup> et MISENGA MBUYA Sarah<sup>2</sup>*

*<sup>1</sup>Institut National pour l'Etude et la Recherche Agronomique (INERA), <sup>2</sup>Ministère Numérique, Institut Supérieur des Techniques Médicales (ISTM)*

#### Tshiena bualu

République démocratique du Congo (RD-Congo) udi ne bukole bua bungi mu malu a madimi, hectare miliyo 80 ya maloba adibu mua kuenza nawu mudimu (Tshinyama, 2018), udi madimi ende a mu dïku adi enza tshintu tshinene tshidi tshipetsha makuta kudi bantu bapite pa 70 % ba mu misoko, kadi udi ushala mutantamene ne mikandu mikole ya bulongolodi. Badi bumuna nyuni (nzolu, etc.), ngulube, ni mishipa ne kabidi bantu badi benza madimi a mu tshisalu badi ne bua kupeta dipanga dia biakudia bia nyama bidi kabiyi bijika, mushinga mukole wa bintu bidibu babueja mu ditunga ne dinyanguka dia buloba didi dienda dikola (Tshinyama, 2018). Bualu bukuabu, dilombola dibi dia bintu bidi kabiyi ne muoyo mu nzubu, mu misoko ne mu madimi didi diambuluisha bikole ku dinyanguka dia buloba, didi dikolesha divulgana dia bintu bidi bifikisha ku disama ne didi dikolesha luya ludi lunyanguka (Gravel, 2016).

Bintu bia pa tshibidilu, bu mudi: kuenza mudimu ne bukula bua soya anyi bua mishipa, budi bushala ne mushinga wa bungi ne kabuena bufika kudi bena mudimu bakese to. Dilonda edi didi ditekesha makuta adibu bapeta ne didi dipangisha bikole bua kuenza mudimu.

Mu tshilumbu etshi, pa kumbusha ditekesha dia dilonda dia bintu bidibu babueja mu ditunga, Technologie wa nyunyi wa mvita mufike (MSN), muenza ne mukuatshishibue kudi mudimu wa BBEST, udi ufila mushindu mukuabu udi mua kushala ne wa kuenza malu mapiamapia. Udi ne bua kukudimuna bintu bidi kabiyi ne muoyo mu tuishi ya proteyine idibu balongolole bua kudia nyama, ne kabidi kudi **bia engrais** organique (Frass) bua bikunyibua. Dishintulula edi didi dikolesha dikepesha dia dinyanguka dia biakudia, didi dikolesha dipeta dia biakudia ne didi dikankamija tshilejilu tshidi tshibueja malu a mpetu ne tshidi ne bujitu bua buloba tshidi tshitangila bena musoko ne bantu badi bangata mapangadika.

## Tshimfuanyi 1: Bimfuanyi bia nyama ya tuishi ya musalayi mufike ne Frass



Ma ferme a muaba au, IITA 2024

### Djikija dia malu didiku kadi kadiyi dikumbane

Mu RDC, ba-producteur bakese batshidi anu basomba bikole ne soya, bukula bua mishipa ne bintu bikuabu bia madimi bu mudi bintu binene bidi ne proteyine ya nyama ne ya mishipa. Nansha mudi bintu ebi bifila bintu bia mushinga mukole, mushinga wabi munene ne dikala diabi dikese bidi bienza tshintu tshinene kudi bena mudimu ba mu misoko (FAO, FIDA ne PAM, 2015). Ditekemena dinene ku bintu bidibu bafumina mu matunga makuabu, nangananga bua bukula bua mishipa, didi diteka bantu badi bapatula bintu mu malu adi kaayi makane a bungenda ne mushinga ya bintu.

Midimu ya muaba udibu basombe, bu mudi mushinga wa bintu bidi kadiyi ne muoyo anyi wa kuenza nabi compost, udi uteta bua kuwujia bilema ebi. Kadi, bienzedi ebi bidi bishala anu bikese, kadiyi bilongolola bimpe ne kadiyi ne diteka dia mikenji, bidi bipangisha bena mudimu ba mu misoko (FAO, FIDA ne PAM, 2015). Bua bualu ebu, nansha mudibu ne mushinga, mishindu ya kujikija malu idiku mpindieu kayena ikumbaja bimpe majinga adi enda avula bua biakudia bia nyama bidi kadiyi binyanguka, bidi mua kufika ne kunemeka buloba to.

### Bipeta bia projet wa BBEST

Mudimu wa BBEST udi ufila mushindu mupiamupia ne udi mua kuikala ne ntatu ya buloba, ya bubanji ne ya biakudia idi bapatudi bakese bapeta mu RDC. Mu tshilumbu tshidi tshileja divulangana dia lukasa dia bintu bidi kadiyi ne muoyo ne dilonda dia bintu bidibu bafumina mu matunga makuabu, mudimu eu udi utamba kuimanyina pa dipima dia mushinga wa nyuini wa musalayi mufiike (Hemetia Illucens) bua kuteka tshilejilu tshia bubanji bua tshijengu tshidi tshisaka bantu ku dilama madimi.

Mushindu eu udi muimanyine pa bioconversion wa bintu bidi kadiyi ne muoyo ya mu nzubu, mu madimi ne mu misoko. Mu mushindu wa muomumue, tuishi tua musalayi mifiike, idi ne proteyine ya bungi (40–45 %) ne mafuta (25–35 %), idi ishintuluka kulua bukula bua proteyine idibu basue bua kudia kua nyama, bikepesha ditekemena dia bukula bua soya budibu bafumina mu matunga makuabu ne bua biakudia bia mushinga mukole ne biakudia bia soya (Van de Velde E, 2020). Mu tshikondo tshimue tshimue, bishadile bia dishintuluka edi bidi biangatshibua ne mushinga wa bungi mu bi -fertilisants ya mushinga mukole, bifila diambuluisha ku dilengeja dia buloba ne dilengeja dia bena madimi a mu tshisalu.

Bipeta bia tshiamu etshi bidi bia bungi :

**Muaba :** ditekesha dia bintu bidi binyanguka ne dinyanguka;

**Economie :** ditekeshibua dia mushinga wa bintu ne dilengeja dia makuta ;

**Social :** difuka dia midimu ya vert ne dipesha bantu ba mu misoko bukole.

Nunku, BBEST udi tshitupa tshijima tshia dishintuluka dia malu adi atangila buloba, eku ufila diambuluisha ku dikumbaja dia ODS 2, 12 ne 13.

Tshimfuanyi 2 : Bimfuanyi bia amaranths fertilisée ku diambuluisha dia Frass, ne dijimija, ni déchets organiques



## Kujikija

Mu RDC, dilama dia bintu bidi kabiyi ne mushinga ne dilonda dia bintu bia mushinga mukole bidi bipangisha bua kupeta bintu bia madimi; Mishindu idiku idi ishala kayiyi ne mushinga. Mudimu wa BBEST udi wangata bintu ebi ne mushinga wa bungi ku diambuluisha dia musalayi mufiike, (kuenza mudimu ne larve) udi upatula proteyine ya nyama ne mushinga wa bintu bidi binyanguka, ubikudimuna mu biffertilisants, ne udi ukankamija bubanji bua tshijengu bua kashidi.

Bipeta bidi bifila lungenyi lua ne: bidi bikankamija bua kuangata biamu bia mvita bia musalayi bafiike (kuenza mudimu ne nyama mikese idi ilela) kudi bapatudi bakese, bua kukolesha dimanya dia mushinga wa bintu bidi kabiyi ne muoyo, bapatudi ba mashinyi ne midimu ya muaba udibu basombe bua kuambuluisha bua kulama madimi, kulama biakudia ne kukuba buloba.

## Bimanyinu

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## Adrese wa dipetangana bua kumanya malu makuabu

- TSHITEYA CILUMBA MOISE : 0978280062 (WhatsApp)
- Nutritionniste MISENGA MBUYA SARAH : +243 824907118 (whatsapp)

## Ditaba dia dipeta

Difunda dia mukanda eu divua difidibua kudi tshibambalu tshia diumvuangana tshia dikola dia ditunga dia Norvège (NORAD), Norvège, Nombre Qza-21/095, ku diambuluisha dia Institut internationale de l'agriculture tropicale (IITA) bu mukebuludi munene wa mudimu eu : “Dikola dia mulongo wa mushinga wa biakudia, mishipa, ne ngulube ne manyoka a organique bilondeshile dienza mudimu ne nyunyi wa nkutshi mufiike (MSN) RDC, Ghana, Mali ne Niger.

