Jardinage bio-intensif sigida-ɲɛnamaya kɔnɔ: Daliluw

Aw ye jardinage bio-intensif sigida-ɲɛnamaya kɔnɔ daliluw dɔn: planches permanentes, ji-minɛn nɔgɔman, compost yɛrɛmahɔrɔnɔn, ani bonya ekoloji-kan.



KƆNƆKOW

1 An bɛ **maraîchage bio-intensif en sol vivant** ka dɔnko jira yɛrɛ ye bi: baara dɔ min bɛ
2 MARAÎCHAGE BIO-INTENSIF Kelenya Kelenya Kɔnɔntɔnɔ: Kɛlɛnkɛlaw ka Bɛɛ Kɛlɛnkɛlaw
3 Mun-ye baara kɛcogo nin ye?
4 Bɔ̃ dɔ̃
5 Bio-intensif ni Dugukolo Hɛrɛw : Fanga Sigilen Filananw
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7 Dugu ni ɲɛnamaya
8 2 Dugukolo Hɛrɛma
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19 Nafara min bɛ wele ko maraichage, yɔrɔ minnu bɛ taa-ka-bɔ, olu tɛ kɛ ka taa-ka-bɔ dɔrɔn ye.
20 3. Ka komposti sɔrɔ
21 KƆMPƆSTI
22 Walasa ka sigi i yɛrɛ ka fanga la, ɲɛsinnenw dɔ ye ka i yɛrɛ ka kompost dilan.
23 Sanji-duguba-kompo ye fɛɛrɛ ɲuman ye. Fɛɛrɛ wɛrɛw bɛ yen, i n'a fɔ:
24 4. Ji-minɛn-kɛcogo nɔgɔn ani kɛrɛnkɛrɛnnen
25 Fanga la, an be yɔrɔ bɛɛ ji, a ni yɔrɔ minnu be taa. Ji-don-fanga bɛɛ la
26 Irrigation nɔgɔn tɔw bɛ yen:
27 Fɔlɔfɔlɔ ta fan bɛɛ kɔfɛ
28 Jardin-ɲɔgɔn-na-yɔrɔw
29 Semi-dirɛki ni repikaji
30 **Jardinage bio-intensif** ani **dugukolo hɛrɛma** ye baara ye min bɛ kɛ ni dugukolo ye: dugukolo min b



An bɛ **maraîchage bio-intensif en sol vivant** ka dɔnko jira yɛrɛ ye bi: baara dɔ min bɛ

nɔgɔya, a ka fisa, wa a bɛ dugukolo, kɛnɛya ni sigida bonya.



MARAÎCHAGE BIO-INTENSIF Kelenya Kelenya Kɔnɔntɔnɔ: Kɛlɛnkɛlaw ka Bɛɛ Kɛlɛnkɛlaw

Kɛlɛnkɛlaw ka maraîchage bio-intensif kelenya kɔnɔntɔnɔ, o kɔnɔntɔnɔ dɔn dɔn, ka sɛbɛnni ka kɛlɛnkɛlaw tɛ yan, ka maraîchage bio-intensif kɔnɔntɔnɔ kɛlɛnkɛlaw ka dɔn dɔn, ka sɛbɛnni ka kɛlɛnkɛlaw tɛ yan.

Mun-ye baara kɛcogo nin ye?



Mun-ye baara kɛcogo nin ye?

Mun-ye baara kɛcogo nin ye?

Bɔ̌ dɔ̌



Bɔ̌ dɔ̌

Ka daŋa kɔnɔ ka bɔ̌ a yɛrɛ. Ka a yɛrɛ ka bugɛ. Sɛgɛrɛ kɔnɔnw ka bɔ̌. Ka bugɛ ka kɛ. Maraŋi bɔ̌ dɔ̌ kɛŋɛniyanw ka bɔ̌ dɔ̌, ka bɔ̌ dɔ̌ kɛŋɛniyanw ka sɛgɛrɛ kɔnɔnw, ka bugɛ ka kɛ, ka daŋa kɔnɔ ka bɔ̌ a yɛrɛ. O kɛlɛbɔ bɛɛ sɛgɛrɛ kɔnɔnw, bɛɛ kɛlɛbɔ, bɛɛ ka bugɛ ka kɛ, bɛɛ ka a yɛrɛ ka bugɛ.



Bio-intensif ni Dugukolo Hɛrɛw : Fanga Sigilen Filananw

mɛtɔdi



DÚGUMA HƐNIN

BIO-INTENSIF

Fanga-yira-ko in sigilen bɛ taama-ɲɔgɔnba fila kan:

- **Dúguma hɛnin**: ka dúguma ka ɲɛnamaya kɛmɛya kura kɛ walasa ka jiriw bɔnɔ ka ɲɛnamaya kɛmɛya kura kɛ.
- **Bio-intensif**: ka fɛn caman dilan ni fɛn dɔgɔya ye, ni yɔrɔ ni nafa-fɛnw ka bonya ye.



Dugu ni ɲɛnamaya

Dugu ni ɲɛnamaya, o ye dugu ye min bɛ ni **ɲɛnamaya** ye: **dugukoloɲɔgɔn**, **sɛgɛsɛgɛw**, **bakitɛriw**, **foŋɲɔnw**…

U bɛ fara ɲɔgɔn kan ka dugukolo **yɛlɛn** ani ka a **lafiyɛ**, k'a to a ka se ka **jardinw dumuni** ani k'u **jigiya** ka nɔgɔn.



2 Dugukolo Hɛrɛma

Dugukolo hɛrɛma dabali bɛ kɛ ni baara nɔgɔnw ye nka u ka fanga ka bon:

- **Dabali-yɔrɔw sigili minnu tɛ takun ani minnu bɛ to yɔrɔ kelen na tuma bɛɛ**,
- **Jiwɔrɔli nɔgɔn dugu fan bɛɛ kan**,
- **Compost fanga-bonba min bɛ kɛ sira-cɛnw na**.



Bio-intensif

Bio-intensif bɛ se ka **furu** ni **ɲamaw** caman dilan (intensif), ni **fɛɛrɛw** ye minnu bɛ bonya la

- **dugukolo** kan (bio).

Labɛnni

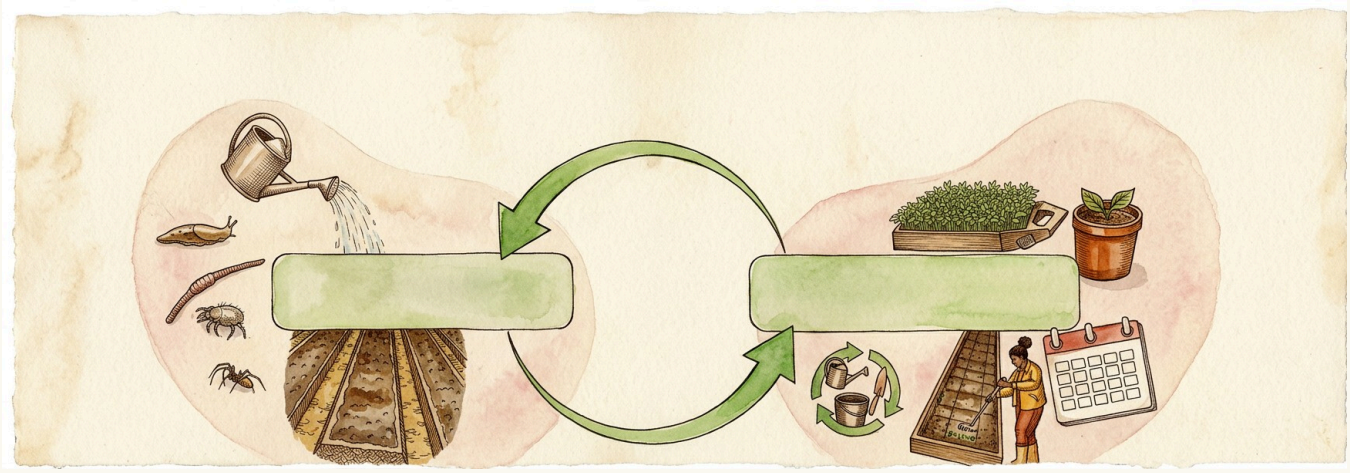


Labɛnni

Biwo-intensif walima **ɲɛnajalanba**

O ye ɲɛnajalan ye min sigilen bɛ ka fɛn caman ɲɛnajalanba:

- Jɔyɔrɔw ka surunya ani ka jan ka kɛɲɛ ni fɛn ye
- Fɛnɲɛnajalanba ani ka fɛnw lajɛ kokura
- Jɔyɔrɔw ani ka fɛnw jɔ yɔrɔ wɛrɛ la walasa ka se ka taa ɲɛ
- Labɛnni ka bon
- Fɛnɲɛnajalanba ani ka fɛnw lajɛ kokura



DÚGUMA HƐƐRƐ

BIO-INTENSIF Niɲɛsinyɔrɔ bɛɛ kɔnɔna **ɲɔgɔnna**

Bio-intensif maracɛya siratigɛ la, duguma hɛɛrɛ kɔnɔ, baara-yɔrɔw bɛɛ bɛ **ɲɔgɔn dafa**.

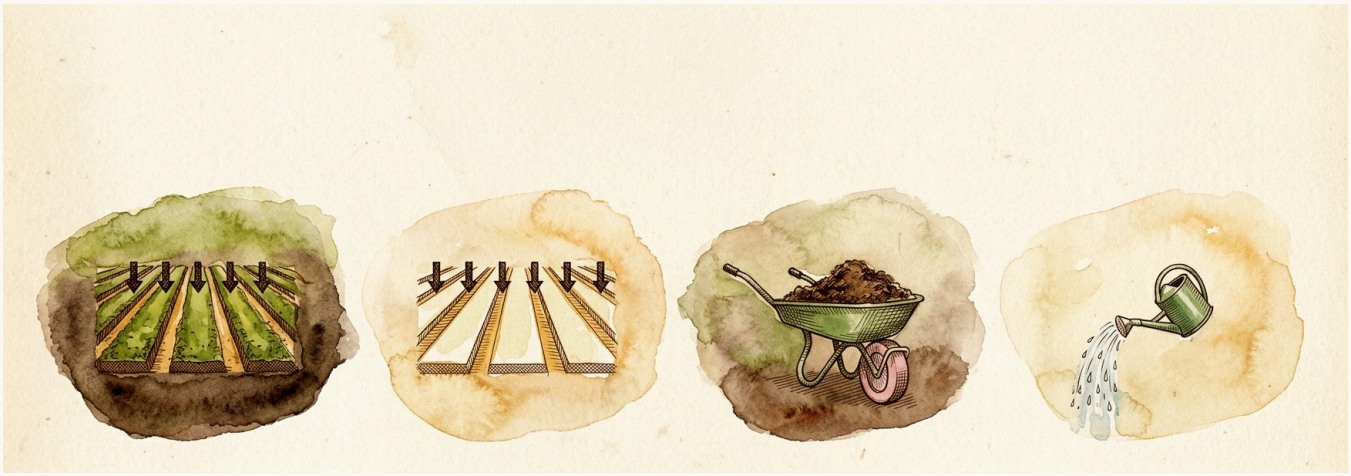
U bɛ kɛ baara-yɔrɔ **ɲɛna** ani **fanga-ba** ye, yɔrɔ min na baara-kɛcogo **o-o** bɛ **ɲɔgɔn dɛmɛ**.



Mɔgɔɲɔgɔnya siratigɛ dalilu fan fɔlɔw

Mɔgɔɲɔgɔnya siratigɛ dalilu fan fɔlɔw

1. Planche de kɛ



1. Planche de kɛ

1. Sisenw, 3. Kɔkɔrɔ

Pourolila o tuma don, kɛlen don min bɛ yen,:

1. Planche de kɛ ye kɔnɔntɔn,
2. Sisenw dɔ wɛrɛ wɛrɛ kati ye,
3. Kɔkɔrɔ tigɛ yen,
4. Planche de kɛ kuma a bugɛ, anka sisenw kuma.
5. Sigida

1. **Aw niɲɛsinna** baara la



1. **Aw niɲɛsinna** baara la

1. **Aw niɲɛsinna** baara la

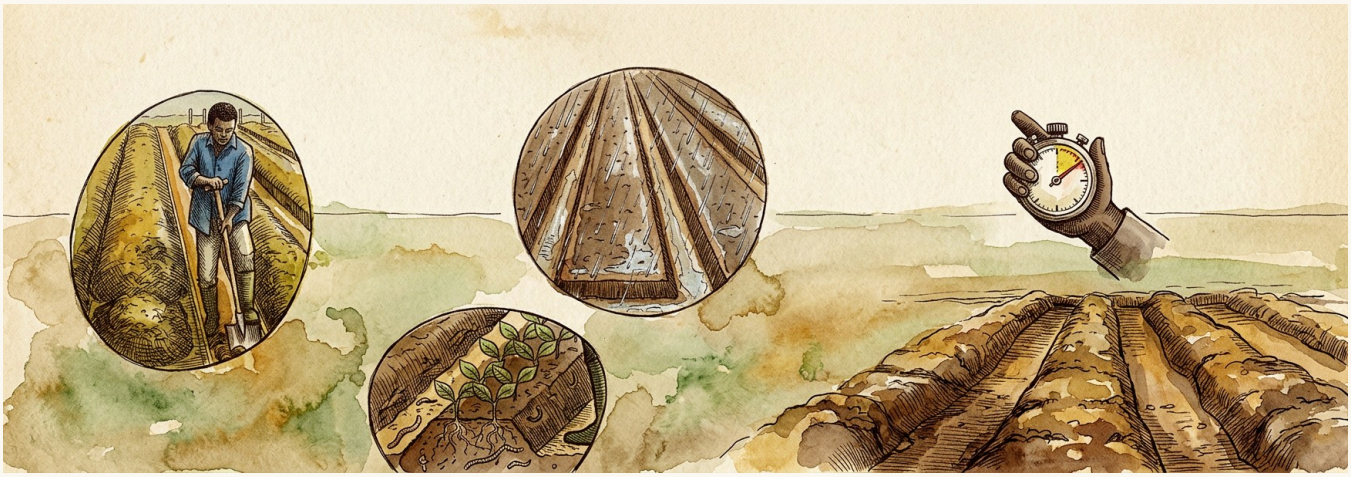


PASI-KUNW

PLANS

Fɔlɔfɔlɔ, baara bɛ kɛ **plansi** kan minnu bɛ to yɔrɔ kelen na tuma bɛɛ, wa u bɛ danfara kɛ ka ɲɛ.

Plansiw cɛ, **pasi-kunw** bɛ yen walasa ka taa-ka-na kɛ.



Temps ni fanga sɔrɔli

Erosion ni lessivage dɔgɔya **dugukolo nafama** ka ca **dugukolo ma sigi yɔrɔ fitininw ka kan**

Senɛ yɔrɔw minnu bɛ to tuma bɛɛ, u ka nafa ka ca:

- Dugukolo nafama bɛ sigi yɔrɔ min na **senɛnw** bɛ bɔ.
- Dugukolo ma sigi.
- Dugukolo bɛ mara **erosion** ni **lessivage** ma.
- **Temps** ni **fanga** sɔrɔli.
- Fanga bɛ yɔrɔ fitininw ka kan.

PARTIE 17 SUR 30

17

An ye **planci** minnu dilan ka baara kɛ, nka baara kɛcogo wɛrɛw bɛ yen:

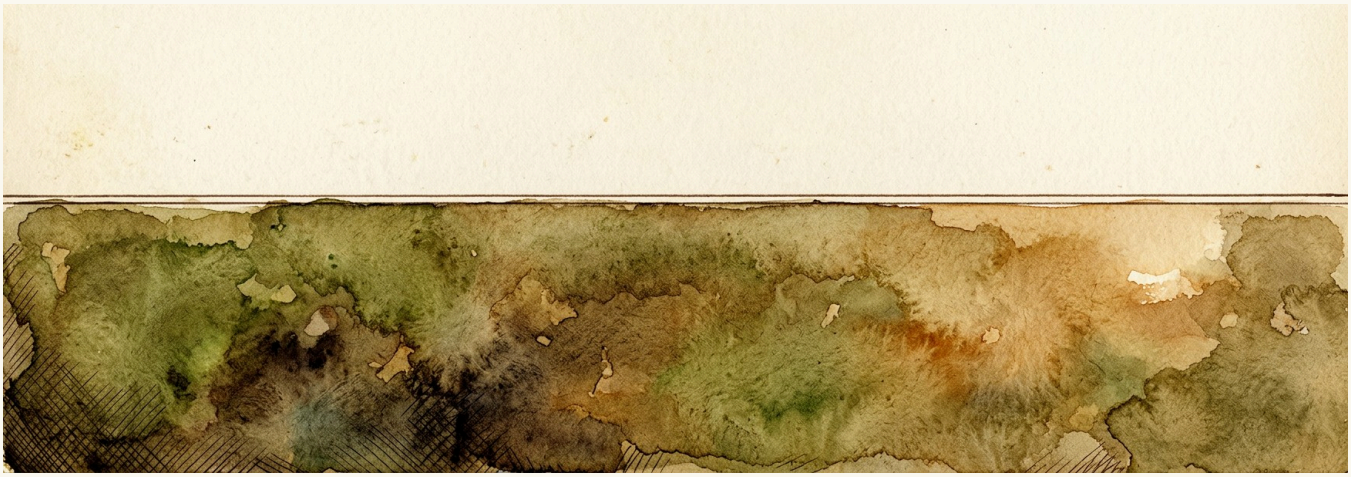


An ye **planci** minnu dilan ka baara kɛ, nka baara kɛcogo wɛrɛw bɛ yen:

Planci minnu bɛ digi duguma

Planci minnu ma digi

2. **Pase-piw** ka nafa

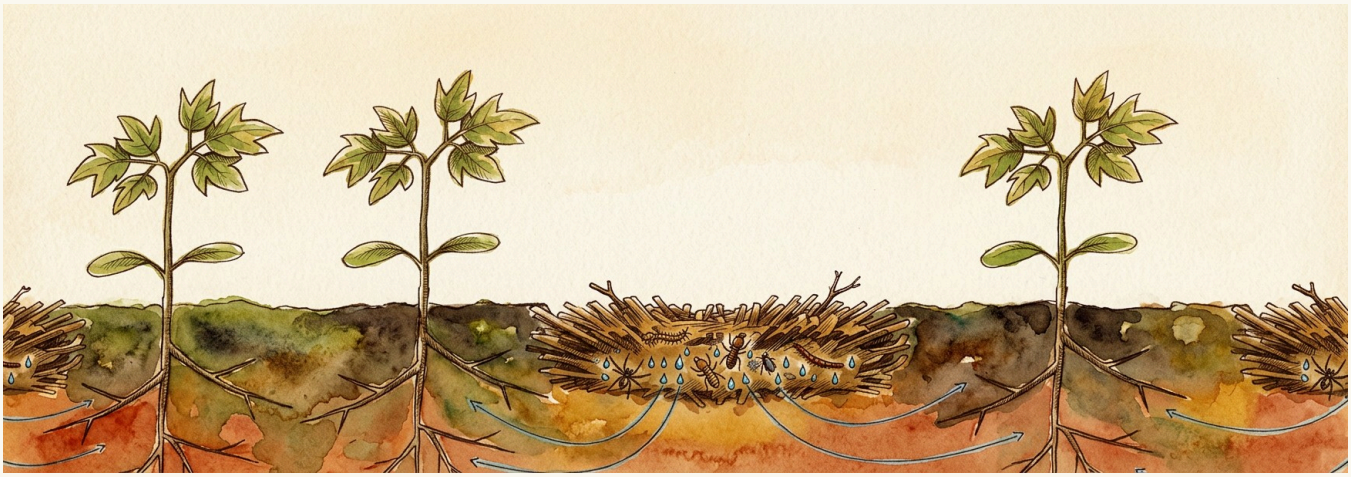


2. **Pase-piw** ka nafa

1. **Pase-piw** ka nafa

- **Pase-piw** ye fɛn ye min bɛ se ka duguw ni yɔrɔw cɛ ka taa yɛrɛ la, n'a ma kɛ ko duguw ni yɔrɔw bɛɛ ye kelen ye.
- O bɛ se ka kɛ sababu ye ka **duguw** ni **yɔrɔw** cɛ ka taa yɛrɛ la, n'a ma kɛ ko duguw ni yɔrɔw bɛɛ ye kelen ye.
- O bɛ se ka kɛ sababu ye ka **duguw** ni **yɔrɔw** cɛ ka taa yɛrɛ la, n'a ma kɛ ko duguw ni yɔrɔw bɛɛ ye kelen ye.

Nafara min bɛ wele ko maraichage, yɔrɔ minnu bɛ taa-ka-bɔ, olu tɛ kɛ ka taa-ka-bɔ dɔrɔn ye.



Nafara min bɛ wele ko maraichage, yɔrɔ minnu bɛ taa-ka-bɔ, olu tɛ kɛ ka taa-ka-bɔ dɔrɔn ye.

Olu ye yɔrɔw ye minnu bɛ baara kɛ kosɛbɛ:

- Compost bɛ labɛn o yɔrɔw la ni dɛsɛ tɛ, ni paillage ka binkannkɛli ye.
- Olu bɛ se ka nɔgɔya mara fana.



3. Ka komposti sɔrɔ

1. Ka komposti sɔrɔ



KƆMPƆSTI

Kɔmpɔsti min Dabali la, olu bɛ Blali ka Taa **Kultiwasiyɔn** la walasa Dugukolo ni Dugukolo **ɲɛnamaya** ka Sɔrɔ ka **ɲɛ** ka **Teliya**.

Nka, o **produksiyɔn** tɛ Sɔrɔ ka Kɛ ka **ɲɛ** Tumaw bɛɛ.

O la sa, a ka **Fisa** ka **Dɔn** ni **Materyɛri** wɛrɛw ye.

PARTIE 22 SUR 30

22

Walasa ka sigi i yɛrɛ ka fanga la, ɲɛsinnenw dɔ ye ka i yɛrɛ ka kompost dilan.



Walasa ka sigi i yɛrɛ ka fanga la, ɲɛsinnenw dɔ ye ka i yɛrɛ ka kompost dilan.

Sanji kompost-yɔrɔ bɛ se ka sanji waati la nɔgɔn-nɔgɔn bɛɛ bonya walasa ka kompost ɲuman dilan ni kɔrɔnfɛn dɔgɔya ye.

23

Sanji-duguba-kompo ye fɛɛrɛ ɲuman ye. Fɛɛrɛ wɛrɛw bɛ yen, i n'a fɔ:



Sanji-duguba-kompo ye fɛɛrɛ ɲuman ye. Fɛɛrɛ wɛrɛw bɛ yen, i n'a fɔ:

- **Kompo-do**: fɛɛrɛ nɔgɔman ye ni walew ka dɔgɔ
- **Kompo-kulu**: duguma yɛrɛ la, i ko a ka datugu walasa a ka nɔgɔya mara
- **Bokashi fɛɛrɛ**: jikun-jɛnsɛnni nɔgɔman, hali ni a ka dɔgɔ
- **Kompo-kɔnɔko**: fɛŋɲɛnɛw sigi yɛrɛyɛrɛ taamasiyɛnw kan walasa ka duguma bonya malɛmalɛ

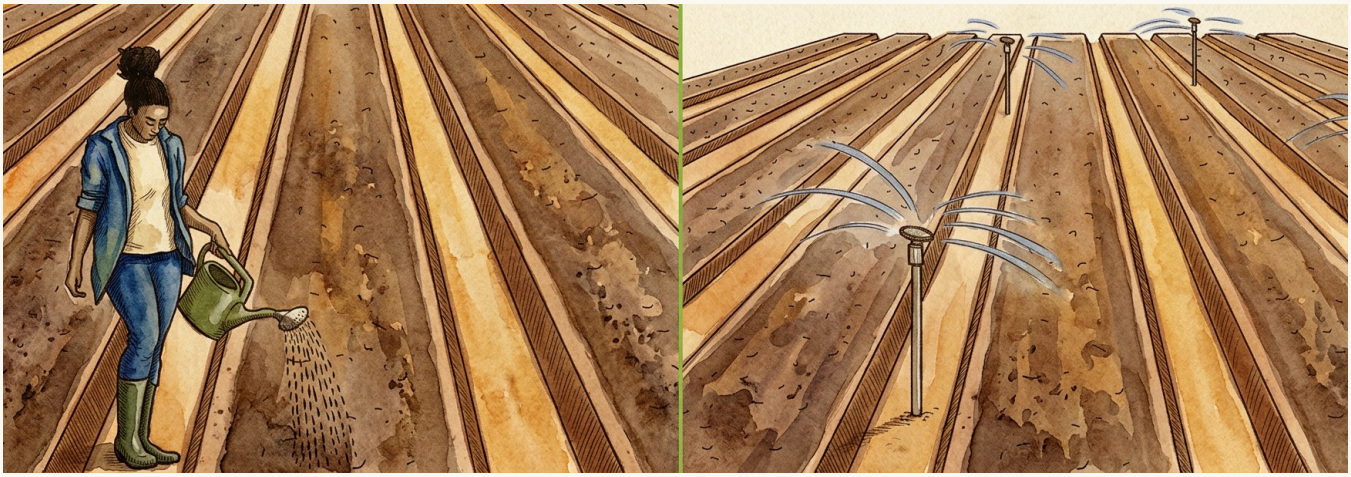


4. Ji-minɛn-kɛcogo nɔgɔman ani kɛrɛnkɛrɛnnen

1. Ji-minɛn-kɛcogo nɔgɔman ani kɛrɛnkɛrɛnnen

25

Fanga la, an be yɔrɔ bɛɛ ji, a ni yɔrɔ minnu be taa. Ji-don-fanga bɛɛ la



Fanga la, an be yɔrɔ bɛɛ ji, a ni yɔrɔ minnu be taa. Ji-don-fanga bɛɛ la

Ji-don-fanga **aspersion** fɛ, o bɛ se ka kɛ **mechanique** la, ni ji-don-kunw ye, walima **manuelle** la ni ji-don-kulu dɔrɔn ye.

- A ka fɛn ye ko i kana jiriw dɔrɔn ji, nka ka dugukolo ka nɔgɔya mara.
- An be dɔnni kɛ ka sanji nɔgɔnɔgɔ ani nɔgɔnɔgɔ ka fanga laɲini, min be dugukolo ka ɲɛnamaya bonya ka fara a kan, nka min t'a faga.

Irrigation nɔgɔn tɔw bɛ yen:



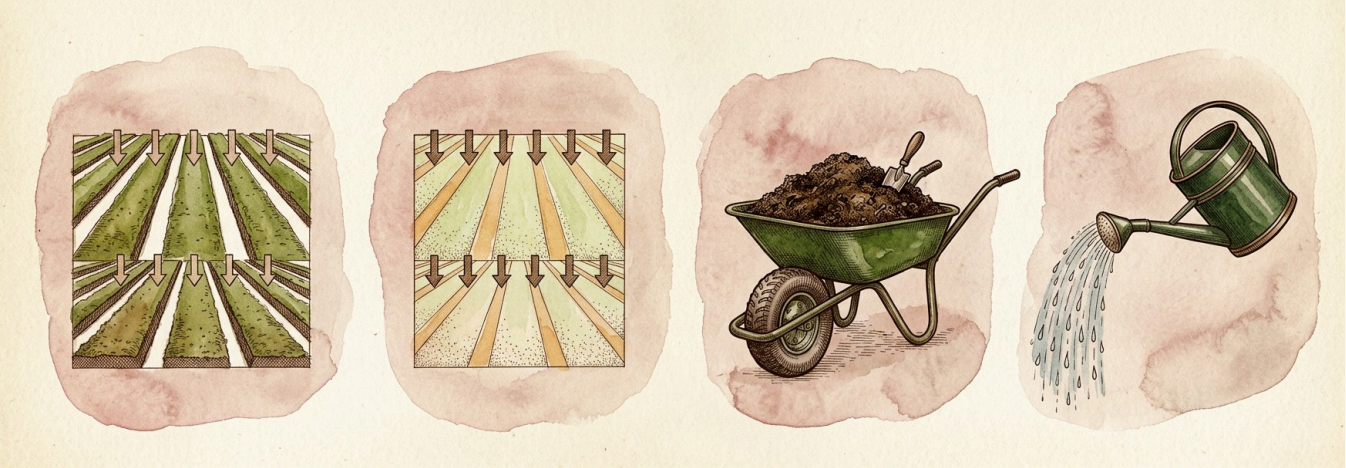
Irrigation nɔgɔn tɔw bɛ yen:

- **Ji-ka-gosi** (Goutte à goutte)
- **Ji-ka-bɔ** (Irrigation par inondation)



Fɔlɔfɔlɔ ta fan bɛɛ kɔfɛ

Fɔlɔfɔlɔ ta fan bɛɛ kɔfɛ



Jardin-ɲɔgɔn-na-ɣɔrɔw

Nansara-ɣɔrɔw

An ka kuma kalan-kuluw kan minnu ye :

- **Jardin-ɲɔgɔn-na-ɣɔrɔw** ni **nansara-ɣɔrɔw** ye.
- **Kɔmpɔs** ka sɔrɔli.
- **Ji-donni** nɔgɔnman ni kɛrɛnkɛrɛnnen.

Kɔmpɔs Ji-donni

Sɛmi-dirɛki ni repikaji



Sɛmi-dirɛki ni repikaji

Kolonboli ni **marabɔli**

Pɛpiniyɛri

Labɛnni ni **rotasiyɔn**

Jɛgɛnw

Lakana

Nka, maraicage bio-intensif min bɛ kɛ ni dugukolo ɲɛnama ye, o bɛ fɔli kɛ fana a kɔnɔ:

- **Sɛmi-dirɛki** ni **repikaji**.
- **Pɛpiniyɛri** ni **denmisɛnw dilanni**.
- **Kultiwasiyɔn labɛnni** ni **rotasiyɔn**.
- **Kolonboli**, **marabɔli** ani **produitsw bonya**.
- **Jɛgɛnw yɛrɛyɛrɛlenw de lajɛ**.
- **Kultiwasiyɔn lakana ekolojiki**.

Jardinage bio-intensif ani **dugukolo hɛrɛma** ye baara ye min bɛ kɛ ni dugukolo ye: dugukolo min ...



Jardinage bio-intensif ani **dugukolo hɛrɛma** ye baara ye min bɛ kɛ ni dugukolo ye: dugukolo min bɛ **kunu**, min bɛ **bonya**, ani min bɛ a **sɔn** an ma.

Fɛɛrɛ nin bɛ se ka baara kɛ ni:

- **Jigiya caman sɔrɔ** ni baara kɛcogo ye min ka fisa
- **Yɛrɛmahɔnɔn** a ka fɛnɲɛnɛmako la
- Baara kɛ ni **baarakɛminɛn nɔgɔmanw** ye minnu bɛ sɔrɔ nɔgɔya la
- **Kɛcogo kɛrɛnkɛrɛnnenw labɛn**, u bonya ani u **d'a fɔ** mɔgɔ wɛrɛw ma