

Moringa and other highly nutritious plant resources: Strategies, standards and markets for a better impact on nutrition in Africa. Accra, Ghana, November 16-18, 2006



HOW TO EFFICIENTLY PRODUCE MORINGA LEAVES

SUMMARY, WORK GROUP 2 (Francophone)



Mission

Obtain reliable data on Moringa leaf production and its profitability

Different modes of Moringa farming

- Monocropping
- Intercropping



Monocropping

- **Density:** 0.5m x 0.5m; 1m x 1m
- **Planting mode:** direct seeding



Advantages

- High yields
- Numerous harvests possible
- Limited weeding



Drawbacks

- No seed production
- High risk of infestation
- Rapid soil depletion
- High plant mortality rate



Intercropping

- **Density:** 2x2m; 3x3m; 5x5m; 5x10m
- **Planting methods:** direct seeding, transplanting, cuttings



Advantages

- Crop diversification
- Limits risk of infestation
- Rational soil use
- Possibility of seed production
- Low production costs



Drawbacks

- Low yields of Moringa leaves



Modes of Moringa Farming: inventory of their economic factors

Intercropping (Garpe Benin)

- **Input fertilizers** : none
- **Yield per hectare** : 0.9 tons
- **Production cost/kg** : 19 FCFA
- **Sale price** : 55 FCFA
- **Profits/Kg** : 36 FCFA

Monocropping (Niger)

- **Input fertilizers** : chemical and organic fertilizer
- **Yields per hectare** : 47.4 tons
- **Production cost/kg**: 58 FCFA
- **Average sale price/kg**: 183 FCFA
- **Profits/kg**: 125 FCFA

Monocropping (Togo)

○ Leaves

- **Input fertilizers** : none
- **Yields per hectare per annum** : 5.85 tons
- **Production cost/kg** : 97 FCFA
- **Sale price** : 150 FCFA
- **Profits/kg** : 53 FCFA

○ Powder

- **Production cost/kg** : 776 FCFA
- **Sale price** : 1500 FCFA
- **Profits/kg** : 724 FCFA