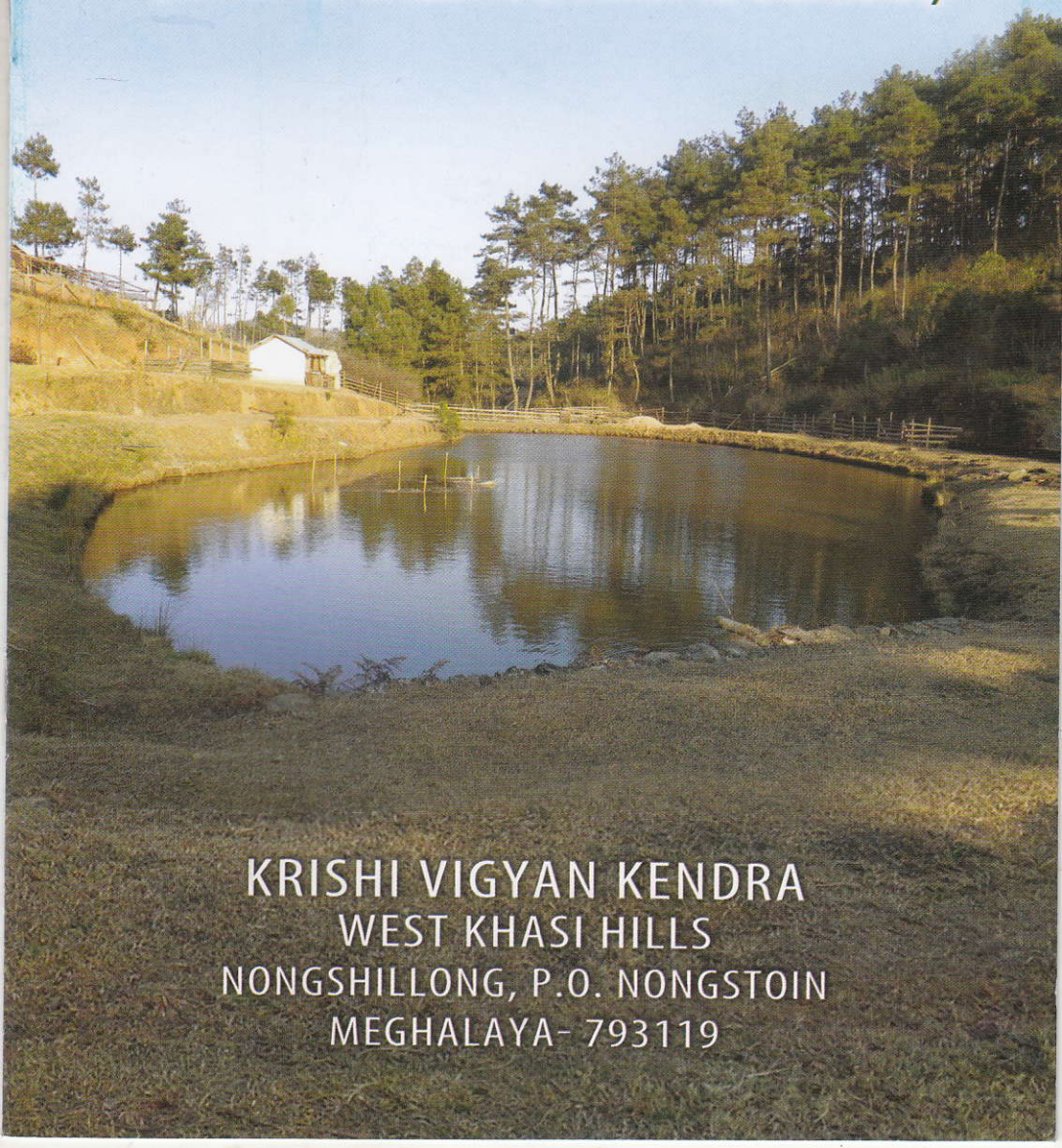




COMPOSITE FISH CULTURE

(KA BA RI KHLEH BUN JAIT KI DOHKHA)



KRISHI VIGYAN KENDRA
WEST KHASI HILLS
NONGSHILLONG, P.O. NONGSTOIN
MEGHALAYA- 793119

Composite Fish Culture

(Ka ba ri khleh bun jait ki dohkha)

Kaba ri khleh bun jait ki dohkha kiba ia hap ban buh lang ha ka juh ka pung la khot ka composite fish culture. Ka rukom im bad rukom bam kine ki dohkha ka iapher, kam don ka jingiaknieh bam ne jaka hapdeng jong ki bad ki bym pynthut ne pynmysaw iwei ia iwei pat. Napdeng kine ki dohkha, ki don ki ba im ha sla um, hapdeng um bad ha trai jong ka pung. Ka jingthmu da kane ka rukom ka long ban ri pynneh ia ki dohkha khlem da pynsep ei ia ka jaka bad ka bam ba ioh na ka mariang ka ba don ha ka pung bad ban pynneh shuh shuh da kaba ai da ki bam dohkha.

la ka rukom ri dohkha ha ka composite fish culture la pynbynta ha ki lai bynta-

1. Kaba pynbha shuwa ia ka pung dohkha (Pre-stocking management)

Ban ri bad sumar ia ki dohkha ha ka rukom kaba biang, ka jingsdang ka long naduh ka jingpynkhreh ia ka pung dohkha. Ki bynta ba kongsan hangne ki long:

- i. Kaba thiew ia ki phlang ki kynbat ki ba mih ha ka pung.
- ii. Kaba weng lut ia ki dohkha ki bym dei ban ri (shalynnai, dohthli, bad kiwei ki wei) da kaba shu tong ne pynryngngad ia ka um.
- iii. Kaba ai shun (shun powder) ban pynduna ia ka jing lamjew (acid) jong ka khyndew bad ka um kaba long ruh kum ka dawai pyniap khniang jingpang.

iv. Jingdonkam shun katkum ka jinglong ka khyndew

Ka pH jong ka khyndew	Jait khyndew	Jingdonkam shun (kg/1000 sq metre ka jingheh ka pung)
4.5-5.0	Jur palat ka acid	200
5.0-6.0	Ym da jur ka acid	120
6.0-6.5	Malu mala ka acid	100
6.5-7.0	Ym don acid (hapdeng)	40
7.0-7.5	Ym don acid, malu mala ka alkali	20

- v. Kaba ai sboh nyngkong da ka eit masi kumba 375 kg ha ka pung ba 1000 sq metre, 7 sngi hadien ba la ai shun.

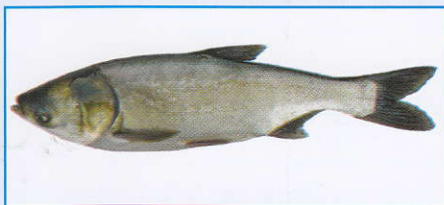
2. Kaba jied bad buh ia ki kha symbai (Stocking-management)

- i. Ki jait dohkha kiba iahap ban ri lang hangne ki long-

	Jait Dohkha	Jaka shong ha pung
Indian Major Carps (Ki dohkha jong ka ri India)	<i>Kha baw (Catla catla)</i>	Bynta ba halor jong ka pung
	<i>Kha bah (Labeo rohita)</i>	Bynta ba hadeng jong ka pung
	<i>Kha mirka (Cirrhinus mrigala)</i>	Bynta ba sha trai jong ka pung
Exotic Carps (ki dohkha nabar ka ri India)	<i>Kha silver (Hypophthalmichthys molitrix)</i>	Bynta ba halor jong ka pung
	<i>Kha bamphlang (Ctenopharyngodon idella)</i>	Bynta ba hadeng bad sha ki rud jong ka pung
	<i>Kha dkhar (Cyprinus carpio)</i>	Bynta ba sha trai jong ka pung



Kha baw



Kha silver



Kha bah



Kha bamphlang



Kha mirka



Kha dkhar

ii. Kaba thep symbai dohkha

1000 tylli ki kha symbai (jingheh: 10 – 15 cm) ha ka pung ba 1000 sq metre, 7-10 sngi hadien ka jing ai sboh ia ka pung.

iii. Ka jingpynbynta ha kaba thep ia ki symbai dohkha (ICAR-RCNEH, Umiam, Meghalaya)

Ka jingpynbynta ha kaba thep ia ki symbai dohkha ha kane ka thain lam mihngi ka shong katkum ka jaka bad ka jinglong jingman jong ka suin bneng:

a. Jaka ba sha them bad ba kham syiad (haduh 2500 ft na sla duriaw)-

Kha baw	Kha bah	Kha mirka	Kha silver	Kha bamphlang	Kha dkhar
20 %	20 %	15 %	20 %	10 %	15 %

b. Jaka ba hapdeng bad ba shu biang ka ka jingshit jingkhriat (haduh 3500 ft na sla duriaw)

Kha baw	Kha bah	Kha mirka	Kha silver	Kha bamphlang	Kha dkhar
20 %	10 %	10 %	30 %	10 %	20 %

c. Jaka ba halor bad ba khriat (hapdeng 3500 ft bad 4500 ft na sla duriaw)

-	-	-	Kha silver	Kha bamphlang	Khadkhar
-	-	-	40 %	25 %	35 %

3. Kaba ri, sumar bad bsa pynneh pynsan ia ki dohkha

(Post-stocking management)

i. Kaba ai bam ia ki dohkha-

- Da u skop khaw ne skop kew ba la khleh bad u kheri mar shibynta (1:1 ratio) man la ka sngi 2-3 % na ka jingkhia ki dohkha ha pung.
- Khleh lang ia kine ki bam bad ka um kum ba khleh atta bad sa bret ha ki sawdong jong ka pung (jaka ba lah ju pynmyllien ban ai bam) lane kyllain kum ka ball sa buh ha ki kriah ne pdung (5-6 tylli) bad sa pynsdien sha um ha ki jaka ba la buh khnang ban pynduna ia ka jing lehnoh ei.
- Lah ruh ban buh ia ka bam ha ki byrni plastic ba lah pynpei thliw bad sa pynsdien ha ka pung da kaba teh na shiliang sha shiliang.

- d. la ka kha bamphlang, lah ban ai bam da kino kino ki phlang jem ne jhur ba la kyntait da kaba ot rit ia kine baroh bad buh ha ki juh ki jaka ba ju ai (2-3 jaka).
- ii. **Kaba ai sboh:** Ka sboh eit masi dei ban ai shisien shi bnai kumba 100 kg ha ka pung ba 1000 sq metre.
- iii. **Kaba ai shun:** la ka shun (shun powder) hap ban ai shisien shi bnai kumba 6.5 kg ha ka pung ba 1000 sq. metre ar sngi hadien ba la ai ia ka sboh eit masi.



Kaba buh ia ki bam dohkha
ha u pdung



Kaba pynsdien ia u pdung
sha um



Kaba thep eit masi ha byrni ba lah
pynpei thliw



Kaba buh ia ki byrni ba don eit masi
ha ka pung (4-5 jaka)



Kaba khleh ia ka shun powder
bad ka um



Kaba ai shun ia ka pung

4. Kaba peit thuh ia ka jingheh jingsan bad ka koit ka khiah

- a. la kane lah ban leh da kaba tong ia ki dohkha man ka por.
- b. Katkum ka jingheh ki dohkha, lah ban antad haduh katno yn ai bam ia ki.
- c. Ym dei ban pyllait biang ia ki dohkha ba pang ha ka juh ka pung.

5. Kaba tong ia ki dohkha

la ki dohkha la ju tong noh hadien shi snem ba la ri ia ki bad ynda ki la long ban die ha iew. Da kaba bud bniah ia ka rukom kaba dei ban leh ha ka composite fish culture, ka jingmih dohkha ka long kumba 250 kg na ka pung ba 1000 sq. metre bad ka lah ban hiar ne kiew katkum ka jinglong ka jaka bad ka rukom sumar.



Kaba tong ia ki dohkha



Ki dohkha ba tong na ka pung

La wad jingtip da:
Rudolf Pakyntein
SMS (Fisheries)

La pynmih da:
Dr. D. Pasweth
Senior Scientist & Head
KVK, West Khasi Hills

For more information, contact:
KVK, West Khasi Hills