Production without medicalization codebook

A survey of 326 farms designed to elicit disease issues, production and drivers for use of farm inputs (including antimicrobials).

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| **Variable Name** | **Questionnaire Numbers** | **Datasheet columns** | **Description** |
| Location | 1.3-1.5 | B-D | Location (District, Upazilla, Union,) |
| Farmer age | 1.7 | E | Age (years) |
| Farmer sex | 1.8 | F | Sex – M/F |
| Education | 1.9 | G |  Education level (years in schooling) |
| Experience | 1.10 | H | Years farming in aquaculture (asked as year commencing farming) |
| Farm tenure | 1.11 | I | Farm ownership – Owned (Bought), Inherited, Rented, Shared |
| Labour | 1.12 | J | Farm workers – wife/ husband, extended family, hired labour |
| Main pond crops | 2.1 | K | Cropping types in pond – Shrimp (Bagda), Prawn (Golda), Shrimp and Prawn, Rice (concurrent with shrimp and prawn, or alternate, ie planted during dry season). |
| Finfish | 2.2 | L | Finfish stocked in pond (Carps, tilapia) |
| Main Pond Dimensions | 2.3 | M | Pond dimensions. Bangladesh units of deicmels (1 dec = 40.46m2) and feet. Canal depth (feet, Dike area (Decimels), Water surface area, (dec) Number of ponds |
| Water sources | 2.4 | N | Water sources (ground, river, tides) |
| Accreditation scheme | 2.5 | O | Participation in farm schemes (ie are they part of an improvement or accreditation scheme) |
| Stocking amounts | 3.1 | P | Stocking quantities per year for shrimp, prawn (in 1000s of postlarvae) and finfish species (in grammes) |
| Stocking frequency | 3.2 | Q | Number of times stocking occurs in a season |
| Production | 4.1 | R | Harvest weights – for shrimp and prawn totals (Kg) and average size (grammes). For finfish / Kg and avg size / g |
| Postlarvae (seed) source | 3.3 | S | Source of post larvae (seed for shrimp and prawn) * Hatchery – SPF (specific pathogen free, PCR tested, untested)
* Nursery
* Wild
 |
| Postlarvae (seed) preference | 3.4 | T | Preference for postlarvae* Hatchery – SPF (specific pathogen free, PCR tested, untested)
* Nursery
* Wild
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| Postlarvae (seed) availability | 3.5 | U | Availability of preferred source (Y/N) |
| Postlarvae (seed) availability reasons | 3.6 | V | Reasons for source unavailability (expense, supply) |
| Payment type for seed | 3.7 | W | Means of payment for postlarvae – cash/ credit, loan |
| Stock health (shrimp) | 5.1 | X | Shrimp Disease or health problems – see photo sheet for options |
| Stock health (prawn) | 5.2 | Y | Prawn Disease or health problems – see photo sheet for options |
| Reported mortality | 5.3 | Z | Farmer estimate of mortality of shrimp and or prawn stock (%) |
| Environmental risks | 5.4 | AA | Other risks faced by stock – water quality, flood, theft etc |
| Water problems | 6.1 | AB | Water problems faced by farmer – temperature changes, salinity, flooding |
| Water exchange frequency | 6.2 | AC | Water exchange frequency – never, 15 days, monthly, once/twice a year |
| Water exchange percentage | 6.3 | AD | Percentage of water changed in the last period (%) |
| Water exchange barriers | 6.4 | AE | Reasons stated for not changing water more frequently |
| Feed | 7.1 | AF | Feed types (commercial, own food, none) |
| Pre-stock pond treatments | 7.2 | AG | Treatments used (Lime, Pesticides, Piscicides, Ammonium sulphate, fertiliser, disinfectant |
| Post stocking treatments | 7.3 | AH | Products used in pond production from list |
| Medicines used | 7.4 | AI | Medicines applied (names of brands and or compounds) |
| Target of medicines | 7.5 | AJ | Medicines applied to which species (Shrimp, prawn etc) |
| Frequency of medicine use | 7.6 | AK | Number of applications of medicine |
| Effectiveness of medicines | 7.7 | AL | Effectiveness of medicine (yes, no, partially) |
| Advice sources | 8 | AM | Source of advice for animal health (farm shop, other farmers, government, extension worker) |
| Costs of cultivation | 9 | AN | Costs of farm inputs in BDT (Bangladesh Taka) for feed, medicines, inputs, postlarvae, water management, hird labour, land rental |
| Harvest decision | 10 | AO | Reasons for last harvest (reached market weight, market price was good, needed cash) |
| Income | 11 | AP | Income gained from farming –related activities(Shrimp or prawn Agriculture/rice, Day labouring, Rents, Credit repayments) |
| Reinvestment | 12 | AQ | Reinvestment in farm(as % of total income) |
| Other income sources | 13 | AR | Sources of income/ living if prawn or shrimp crop fails (agriculture, service, business, labouring) |