BROKEN RICE

MILLED RICE

FORTIFICANT MIX (PREMIX)

MICRONUTRIENT PRODUCERS & SUPPLIERS

Premix    Rice Flour

A    B1    Se    D    E

B3    B2    Zn    B12    B6

Fe    D    B1    B12    Se

B9    B12

MILLEND RICE

FORTIFIED KERNELS

FORTIFIED KERNEL PRODUCER (EXTRUSION EXAMPLE)

E.G. RICE MILLERS, FOOD COMPANIES

Extruder

FORFITICATED MIX (PREMIX)

* For extrusion technology broken rice can be used to produce fortified kernels; with coating technology, head rice is required.

RICE FARMERS

PADDY RICE
FORTIFIED RICE

DISTRIBUTION & SALES CHANNELS

GOVERNMENT SOCIAL SAFETY NETS

RICE BLENDING

E.G. RICE MILLERS,
RICE WAREHOUSES

CONSUMERS

Milled rice: polished rice is the regular-milled white rice. Hull, bran layer and germ have been removed.

Blending: Mixing milled, non-fortified rice with fortified kernels in ratios between 0.5–2% to produce fortified rice.

Fortificant mix: blend that contains several selected micronutrients (also referred to as premix).

Fortified kernels: fortified rice-shaped kernels containing the fortificant mix (extrusion) or whole rice kernels coated with a fortificant mix (coating).

TERMIOLOGY

Paddy rice: Rice kernels still enclosed in an inedible, protective hull (rough rice)

Head rice: Unbroken grains of milled rice with the hull, bran, and germ removed

Subsidized rice schemes | Poverty reduction, school feeding, emergency rice stock, institutional distribution, etc.