



# COARSE SPRAY

# COARSE SPRAY Vaccination

## **VACCINE STORAGE AND TRANSPORT**

- Store at 2-8° C (35-45° F).
- Transport in cooler on ice until used.
- Do not expose to sunlight.

## **DILUENT**

- Preferably, use distilled, or demineralized or deionized water to maximize the vaccine quality and viability (avoid impure, contaminated or chlorinated water).

<b>Quantity :</b>	<b>Age</b>	<b>Litres/10,000 birds</b>
	At 1 day old (farm)	3 (30 mL/box)
	Older than 7 days	7-8 (700-800 mL/1,000 birds)

- A practice run using only water, one or two days before vaccination will verify the amount of water needed and vaccination speed required.

## **BEFORE VACCINATION**

- Rinse the sprayer with water.
- Spray at a light source to observe spray particle size and pattern.

**Important:** The Hardi sprayer must be used for vaccination only (never for pesticides, herbicides or disinfectants).

## **VACCINE PREPARATION**

- Adequate water quantity of appropriate quality.
- Dissolve the vaccine in the vials. Add to water.
- Rinse each vial properly (otherwise 15% of the vaccine may be lost).
- Shake well.
- Enough doses should be prepared for each floor or for the whole barn.
- Record the serial number and the expiry date for the vaccines used.

## **VENTILATION**

- Turn off fans during vaccination.
- Turn on all fans 20 minutes after vaccination.
- During the hot summer weather, vaccinate very early in the morning.
- Monitor birds/air quality - resume ventilation prior to 20 min. period if necessary.

## **VACCINATION**

- No need to water starve birds.
- **Breeder pullets:** Vaccinate the birds on the feed day and dim lights over the feed lines.
- **Broilers:** Group the birds along the side wall(s). Distance between the vaccinator and side wall must not be more than 4 metres (12 feet). Reduce the light intensity over the birds and turn off other lights if possible. Walk slowly and keep the spray nozzle in a downward direction, one metre (three feet) above the birds' heads.
- **Pullets (cages):** Dim lights, walk down the barn at a slow pace spraying at the face of the birds.
- Keep a constant pressure of 4.5-5.0 Bars (65-75 PSI).

## **SPRAYER MAINTENANCE**

- After vaccination, rinse the sprayer thoroughly with distilled water.
- Sanitize the sprayer with "Clean Tabs".
- Rinse and leave upside down to dry in a clean place.

## **SAFETY MEASURES AND EMPTY CONTAINER DISPOSAL**

- Wear gloves, mask and safety glasses during preparation and vaccine administration to avoid eye infection (conjunctivitis) following Newcastle virus contact.
- Burn all empty containers.