

Attachment: Requirements for U.S. dried distillers grain (DDG), corn and wheat for export to Vietnam

I. In marine bulk cargo holds:

1. Official stowage inspection of all cargo holds prior to loading;
2. Official observation and certification of phosphine or methyl bromide fumigation of DDGS, corn and wheat;
3. The phosphine fumigation schedule for DDGS, corn and wheat will correspond to the below table;
4. Recirculation system for in transit fumigation of bulk loaded DDGS, corn and wheat in ship's holds;
5. Official fumigation management plans will require hatch cover seals and note need for monitoring the continuous operation of fumigant recirculation blowers throughout specified duration of fumigation;
6. An Additional Declaration on the official export phytosanitary certificate will read: The inspected consignment conforms to the requirements for DDGS/Corn/Wheat for export to Vietnam;

Phosphine Treatment Schedule for DDGS, Using Recirculation System, Hold of Marine Vessel for export to Vietnam

Commodity temperature (°C)	Commodity temperature(°F)	Minimum PH3 Pellets or Tablets and PH3 Gas Concentration	Minimum Exposure Period
10-15	50-59	45gm/1000 cu ft for minimum of 750 ppmv	5 days
15-20	60-69	45gm/1000 cu ft for minimum of 750 ppmv	4 days
>20	>70	45gm/1000 cu ft for minimum of 750 ppmv	3 days

II. In shipping containers:

1. Official stowage inspection of all containers prior to loading;
2. Official observation and certification of phosphine or methyl bromide fumigation of DDGS, corn and wheat;
3. The phosphine fumigation schedule for DDG, corn and wheat will correspond to the below table;
4. Given the relatively high density of DDG, centre mass gas concentration levels of phosphine in containers of DDGS will be noted at least every 24 hours throughout the specified duration of treatment.

5. Placement of screening material over container vents and doors for pest exclusion during aeration of fumigant;

6. An Additional Declaration on the official export phytosanitary certificate will read: The inspected 1 consignment conforms to the requirements for DDGs/Corn/Wheat for export to Vietnam.

Phosphine treatment schedule for DDGS, shipping containers for export to Vietnam

Commodity temperature (°C)	Commodity temperature (°F)	Minimum PH3 Pellets or Tablets and PH3 Gas Concentration	Minimum Exposure Period
10-15	50-59	750 ppmv	5 days
15-20	60-69	750 ppmv	4 days
>20	>70	750 ppmv	3 days