**Checklist for** **Official Inspection of** **DDG/Corn /Wheat to Viet Nam**

Inspectors authorized by APHIS to conduct phytosanitary inspection sample and inspect product for quarantine pests must complete the below checklist. Each item must be marked for issuance of an Official Inspection Record (i.e. FGIS Form 921-2):

|  |  |  |
| --- | --- | --- |
| Phytosanitary Inspection Checklist | Bulk | Containerized |
| 1. Shipment Type |  |  |
| 1. Site inspection determines no insects injurious to stored commodities are present in immediate vicinity of loading container. |  |  |
| 1. Manager of container inspection site states that a pest management plan is in place |  |  |
| 1. Stowage inspection[[1]](#footnote-1) determines container is free from debris, moisture, insects, decayed flooring and objectionable odor |  | |
| 1. Licensed Fumigator indicates that a fumigation management plan (FMP) has been prepared and that sufficient fumigant is available to meet or exceed below fumigation schedules. |  | |
| 1. (Applies to Phosphine only) FMP documents recirculation system of phosphine fumigation (as per FGIS Fumigation Handbook) and specifies the need for notation of seal numbers for hatch covers and man ways, continuous monitoring of recirculation blowers and prevention of hold aeration prior to completion of fumigation duration as per below table. |  |  |
| 1. Netting is available for container vents and door to prevent insect intrusion during aeration following fumigation. |  |  |
| 1. Licensed Fumigator has monitors to record fumigant concentration at center of product to ensure full treatment schedule is completed (DDG only). |  |  |
| 1. Phytosanitary inspection confirms no quarantine pests other than insects. |  | |
| 1. Licensed fumigator’s fumigation report indicates concentration readings (at least one per every 24 hours) consistent with full treatment schedule (DDG only). |  |  |

Upon completion of checklist, inspector should ensure official inspection record (i.e. FGIS Form 921-2) contains full treatment details and the following statement:

*The inspected lot conforms to the requirements for DDGs/Wheat/Corn for export to Vietnam. (Only include the specific commodity in the statement)*

**FUMIGATION SCHEDULE for Containerized DDG[[2]](#footnote-2)**

|  |  |  |  |
| --- | --- | --- | --- |
| Commodity Temperature (C) | Commodity Temperature (°F) | Minimum PH3 Concentration Reading[[3]](#footnote-3) | 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 |

Or

|  |
| --- |
| Methyl Bromide is also acceptable and must be used in accordance with the label (including treatment schedule), center mass monitoring and customary FGIS procedures. |

**FUMIGATION SCHEDULE for Containerized Corn or Wheat**

|  |  |  |  |
| --- | --- | --- | --- |
| Commodity Temperature (C) | Commodity Temperature (°F) | Minimum PH3 Application | Minimum Exposure Period |
| 10-15 | 50-59 | 45 g/1000 ft3 | 5 days |
| 15-20 | 60-69 | 45 g/1000 ft3 | 4 days |
| >20 | >70 | 45 g/1000 ft3 | 3 days |

Or

|  |
| --- |
| Methyl Bromide is also acceptable and must be used in accordance with the label (including treatment schedule), and customary FGIS procedures. |

**FUMIGATION SCHEDULE for Bulk Product[[4]](#footnote-4)**

|  |  |  |  |
| --- | --- | --- | --- |
| Commodity Temperature (C) | Commodity Temperature (°F) | Minimum PH3 Application | Minimum Exposure Period |
| 10-15 | 50-59 | 45 g/1000 ft3 | 5 days |
| If cylinderized gas: 750ppmv |
| 15-20 | 60-69 | 45 g/1000 ft3 | 4 days |
| If cylinderized gas: 750ppmv |
| >20 | >70 | 45 g/1000 ft3 | 3 days |
| If cylinderized gas: 750ppmv |

Or

Methyl Bromide is also acceptable and must be used in accordance with the label (including treatment schedule). Center mass monitoring is required for DDG only and is to verify adequacy of distribution of methyl bromide fumigant .

1. If necessary, inspectors consult FGIS, GIPSA Directive 9180.48 STOWAGE EXAMINATION SERVICES for guidance. [↑](#footnote-ref-1)
2. If exporter chooses to use cylinderized gas for Corn and Wheat, use this table for treatment schedule and note that center mass monitoring is not required. [↑](#footnote-ref-2)
3. An *official inspection record* may be issued if:

   1. Phosphine concentration readings at center mass are not less than 500ppmv throughout duration of treatment,
   2. No more than one 24 hour interval reading at center mass is less than 750ppmv.

   [↑](#footnote-ref-3)
4. Recirculation System as per FGIS Fumigation Handbook must be applied when using PH3 pellets and tablets. For cylinderized gas, the equipment setup and other requirements for the recirculation system must be consistent with the Handbook, in spite of the fact that use of cylinderized gas in the recirculation system is not specifically addressed the Handbook. [↑](#footnote-ref-4)