**Organic System Plan (OSP) for Livestock Addendum – Feed Rations – Renewal**

**Form Name:** L-OSP-FR (Renewal)

**Update:** Annually

**Instructions:** Complete this form if you are requesting organic certification of livestock.

|  |  |
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| **Operation Name:**  | **Date:**  |
| **SECTION 17: FEED RATIONS NOP Rule 205.237, .239, .240** |
| *Ration information is critical to verification of pasture, feed, and for mass balance and traceability exercises. Livestock feed rations must be reviewed at least annually, and updated whenever there is a change. If an ingredient must be adjusted or substituted, please ensure that an updated ration is created and retained for verification during onsite inspection. Submit your rations with your initial application and annually thereafter with your update application and have these records available for onsite verification during inspection.**Whenever organic feed is used for nonorganic livestock, this information should be noted to ensure that balance and traceability exercises can be completed.**All rations should be documented for each class and group of animals present in the organic system. Ration information documented must include the class and group of animals it is used for, the dates it was used for, and types and amounts of feed(s) in the ration. For ruminants, rations documented should reflect those used during both the grazing and nongrazing seasons. Rations for animals withheld from pasture, such as animals in a hospital pen, should also be documented.**The NOP requires producers of organic ruminant livestock to provide a complete total feed ration for each type/group/class of animal and calculations of how much pasture each ration includes. You may provide this information using alternate sources; however, we are providing you with the following tables to complete to show your ration information and dry matter intake calculation.**Rations may be documented using previous year’s data, but if a change is made to a type/group/class ration, a new ration table will need to be completed. Your inspector will verify all current year’s rations at inspection.*  |
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| **Dairy Cow DMD** | **DMD As Percentage of Body Weight** |
| ***Avg. Milk / Day*** | ***Small Breed <1200#*** | ***Lg. Breed >1200#*** | ***Ruminant Livestock Type*** | ***% Body Weight*** |
| 20# | 24# | 30# | Mature Dairy Cows | 3.5 % |
| 25# | 26# | 31# | Dry Dairy Cows | 1.8 % |
| 30# | 28# | 33# | Bred Dairy Heifers (14-24 months of age) | 2.5 % |
| 35# | 30# | 34# | Unbred Dairy Heifers (6-14 months of age) | 2.5 % |
| 40# | 31# | 36# | Beef Cattle (greater than 1 year of age) | 2.25 % |
| 45# | 33# | 37# | Beef Cattle (weaned, less than 1 year of age) | 2.75 % |
| 50# | 35# | 39# | Sheep (brood/milking animals) | 3.65 % |
| 55# | 36# | 40# | Sheep (weaned, slaughter, or replacements) | 3.3 % |
| 60# | 38# | 42# | Goats (brood/milking animals) | 4 % |
| 65# | 40# | 43# | Goats (weaned, slaughter, or replacements) | 2.25 % |
| 70# | 42# | 45# |  |  |
|  | **Percentage of Dry Matter (%DM) of Common Livestock Feeds** |  |
| ***Forage Type*** | ***DM%*** |
| Hay (Dry, legume & grass) | 85% |
| Haylage (chopped forage except corn) | 35% |
| Green Chop (any forage type) | 20% |
| Baleage (any baled and wrapped forage) | 60% |
| Corn Silage | 40% |
| High Moisture Corn | 76% |
| Grains (dry corn, beans, small grains) | 89% |
|  |  |  |  |
| **17.1 Feed Rations for Organic Ruminant Livestock:** The NOP requires producers of organic ruminant livestock to provide a complete total feed ration for each type/group/class of animal and calculations of how much pasture each ration includes. You may provide this information using alternate sources. If a change is made to a type/group/class ration, a new ration table will need to be completed. **Please complete the following ration tables for each type/group/class of ruminant livestock that is being requested for certification. Ration information for both the grazing and non-grazing seasons must be included. Make extra copies as needed.**  [ ]  Not applicable, do not have organic ruminant livestock |

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| Ruminant Grazing Season Ration and DMI from Pasture Calculations |
| **Operation Name:** |
| **Class of Animal:** | **Number of Animals in Group:** | **DMD Source:****[ ]  KDA Table [ ]  Other:** |
| **Avg. Weight Per Cow:** | **Avg. Milk / Day Per Cow:** | **DMD:** |
| **RATION 1** |  **Date Started:**  | **Date Stopped:**  |  **Total Days of Ration [A] :**  |
| **Feed Type** (do not list pasture) | **Amount Fed Per Animal (lbs.)** |  | **DM Content (%)** |  | **DM Fed (lbs.)** |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       | **-** |       | **=** |       | **÷** |       | **=** |       | **x 100 =** |       |
| **DMD (lbs.)** |  **Total DM Fed (lbs.) DMI from Pasture (lbs.) DMD (lbs.) [B] DMI from Pasture %** |
|       | **x** |       | **=** |       |
| **Total Days of Ration [A]** | **DMI From this Ration [B]** | **Ration Value [1]** |
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| **RATION 2** |  **Date Started:**  | **Date Stopped:**  |  **Total Days of Ration [C] :** |
| **Feed Type** (do not list pasture) | **Amount Fed Per Animal (lbs.)** |  | **DM Content (%)** |  | **DM Fed (lbs.)** |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       | **-** |       | = |       | ÷ |       | = |       | x 100 =       |
| **DMD (lbs.)** |  **Total DM Fed (lbs.) DMI from Pasture (lbs.) DMD (lbs.) [D] DMI from Pasture %** |
|       | **x** |       | **=** |        |
| **Total Days of Ration [C]** | **DMI From this Ration [D]** | **Ration Value [2]** |

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| **Calculating Average Dry Matter Intake from Pasture Over Entire Grazing Season** |
|  |  |  |
| **[E]****Total Days in Grazing Season [A]+[C]** | **[F]****Total Ration Value [1]+[2]** | **Total** **Average % DMI from Pasture [E]÷[F]** |

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| Ruminant Non-Grazing Season Ration  |
| **Non Grazing Ration**  |  **Date Started:**  | **Date Stopped:**  |  **Total Days of Ration :**  |
| **Feed Type** (do not list pasture) | **Amount Fed Per Animal (lbs.)** |  | **DM Content (%)** |  | **DM Fed (lbs.)** |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
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| **Total Amount Fed Per Animal / Per Day** | **Total Dry Matter Fed Per Animal / Per Day** |

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| Ruminant Grazing Season Ration and DMI from Pasture Calculations |
| **Operation Name:** |
| **Class of Animal:** | **Number of Animals in Group:** | **DMD Source:****[ ]  KDA Table [ ]  Other:** |
| **Avg. Weight Per Cow:** | **Avg. Milk / Day Per Cow:** | **DMD:** |
| **RATION 1** |  **Date Started:**  | **Date Stopped:**  |  **Total Days of Ration [A] :**  |
| **Feed Type** (do not list pasture) | **Amount Fed Per Animal (lbs.)** |  | **DM Content (%)** |  | **DM Fed (lbs.)** |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       | **-** |       | **=** |       | **÷** |       | **=** |       | **x 100 =** |       |
| **DMD (lbs.)** |  **Total DM Fed (lbs.) DMI from Pasture (lbs.) DMD (lbs.) [B] DMI from Pasture %** |
|       | **x** |       | **=** |       |
| **Total Days of Ration [A]** | **DMI From this Ration [B]** | **Ration Value [1]** |
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| **RATION 2** |  **Date Started:**  | **Date Stopped:**  |  **Total Days of Ration [C] :** |
| **Feed Type** (do not list pasture) | **Amount Fed Per Animal (lbs.)** |  | **DM Content (%)** |  | **DM Fed (lbs.)** |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       | **-** |       | = |       | ÷ |       | = |       | x 100 =       |
| **DMD (lbs.)** |  **Total DM Fed (lbs.) DMI from Pasture (lbs.) DMD (lbs.) [D] DMI from Pasture %** |
|       | **x** |       | **=** |        |
| **Total Days of Ration [C]** | **DMI From this Ration [D]** | **Ration Value [2]** |

 |
| **Calculating Average Dry Matter Intake from Pasture Over Entire Grazing Season** |
|  |  |  |
| **[E]****Total Days in Grazing Season [A]+[C]** | **[F]****Total Ration Value [1]+[2]** | **Total** **Average % DMI from Pasture [E]÷[F]** |

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| Ruminant Non-Grazing Season Ration  |
| **Non Grazing Ration**  |  **Date Started:**  | **Date Stopped:**  |  **Total Days of Ration :**  |
| **Feed Type** (do not list pasture) | **Amount Fed Per Animal (lbs.)** |  | **DM Content (%)** |  | **DM Fed (lbs.)** |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|  |  |  |  |
| **Total Amount Fed Per Animal / Per Day** | **Total Dry Matter Fed Per Animal / Per Day** |

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| Ruminant Grazing Season Ration and DMI from Pasture Calculations |
| **Operation Name:** |
| **Class of Animal:** | **Number of Animals in Group:** | **DMD Source:****[ ]  KDA Table [ ]  Other:** |
| **Avg. Weight Per Cow:** | **Avg. Milk / Day Per Cow:** | **DMD:** |
| **RATION 1** |  **Date Started:**  | **Date Stopped:**  |  **Total Days of Ration [A] :**  |
| **Feed Type** (do not list pasture) | **Amount Fed Per Animal (lbs.)** |  | **DM Content (%)** |  | **DM Fed (lbs.)** |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       | **-** |       | **=** |       | **÷** |       | **=** |       | **x 100 =** |       |
| **DMD (lbs.)** |  **Total DM Fed (lbs.) DMI from Pasture (lbs.) DMD (lbs.) [B] DMI from Pasture %** |
|       | **x** |       | **=** |       |
| **Total Days of Ration [A]** | **DMI From this Ration [B]** | **Ration Value [1]** |
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|  |  |  |  |
| --- | --- | --- | --- |
| **RATION 2** |  **Date Started:**  | **Date Stopped:**  |  **Total Days of Ration [C] :** |
| **Feed Type** (do not list pasture) | **Amount Fed Per Animal (lbs.)** |  | **DM Content (%)** |  | **DM Fed (lbs.)** |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       | **-** |       | = |       | ÷ |       | = |       | x 100 =       |
| **DMD (lbs.)** |  **Total DM Fed (lbs.) DMI from Pasture (lbs.) DMD (lbs.) [D] DMI from Pasture %** |
|       | **x** |       | **=** |        |
| **Total Days of Ration [C]** | **DMI From this Ration [D]** | **Ration Value [2]** |

 |
| **Calculating Average Dry Matter Intake from Pasture Over Entire Grazing Season** |
|  |  |  |
| **[E]****Total Days in Grazing Season [A]+[C]** | **[F]****Total Ration Value [1]+[2]** | **Total** **Average % DMI from Pasture [E]÷[F]** |

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| --- |
| Ruminant Non-Grazing Season Ration  |
| **Non Grazing Ration**  |  **Date Started:**  | **Date Stopped:**  |  **Total Days of Ration :**  |
| **Feed Type** (do not list pasture) | **Amount Fed Per Animal (lbs.)** |  | **DM Content (%)** |  | **DM Fed (lbs.)** |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|  |  |  |  |
| **Total Amount Fed Per Animal / Per Day** | **Total Dry Matter Fed Per Animal / Per Day** |

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| --- |
| Ruminant Grazing Season Ration and DMI from Pasture Calculations |
| **Operation Name:** |
| **Class of Animal:** | **Number of Animals in Group:** | **DMD Source:****[ ]  KDA Table [ ]  Other:** |
| **Avg. Weight Per Cow:** | **Avg. Milk / Day Per Cow:** | **DMD:** |
| **RATION 1** |  **Date Started:**  | **Date Stopped:**  |  **Total Days of Ration [A] :**  |
| **Feed Type** (do not list pasture) | **Amount Fed Per Animal (lbs.)** |  | **DM Content (%)** |  | **DM Fed (lbs.)** |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       | **-** |       | **=** |       | **÷** |       | **=** |       | **x 100 =** |       |
| **DMD (lbs.)** |  **Total DM Fed (lbs.) DMI from Pasture (lbs.) DMD (lbs.) [B] DMI from Pasture %** |
|       | **x** |       | **=** |       |
| **Total Days of Ration [A]** | **DMI From this Ration [B]** | **Ration Value [1]** |
|

|  |  |  |  |
| --- | --- | --- | --- |
| **RATION 2** |  **Date Started:**  | **Date Stopped:**  |  **Total Days of Ration [C] :** |
| **Feed Type** (do not list pasture) | **Amount Fed Per Animal (lbs.)** |  | **DM Content (%)** |  | **DM Fed (lbs.)** |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       | **-** |       | = |       | ÷ |       | = |       | x 100 =       |
| **DMD (lbs.)** |  **Total DM Fed (lbs.) DMI from Pasture (lbs.) DMD (lbs.) [D] DMI from Pasture %** |
|       | **x** |       | **=** |        |
| **Total Days of Ration [C]** | **DMI From this Ration [D]** | **Ration Value [2]** |

 |
| **Calculating Average Dry Matter Intake from Pasture Over Entire Grazing Season** |
|  |  |  |
| **[E]****Total Days in Grazing Season [A]+[C]** | **[F]****Total Ration Value [1]+[2]** | **Total** **Average % DMI from Pasture [E]÷[F]** |

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| --- |
| Ruminant Non-Grazing Season Ration  |
| **Non Grazing Ration 1** |  **Date Started:**  | **Date Stopped:**  |  **Total Days of Ration :**  |
| **Feed Type** (do not list pasture) | **Amount Fed Per Animal (lbs.)** |  | **DM Content (%)** |  | **DM Fed (lbs.)** |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|       |       | **x** |       | **=** |       |
|  |  |  |  |
| **Total Amount Fed Per Animal / Per Day** | **Total Dry Matter Fed Per Animal / Per Day** |