**Dairy Production**

**Key Terms**

**Oestrus Cycle:**

**Oestrus:**

**Gestation:**

**Lactation Period:**

**Length:**

**Calving interval:**

**Length:**

**Production Systems**

|  |  |
| --- | --- |
| **Liquid** | **Manufacturing** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**Breeds**

**1.**

**Features:**

**2.**

**Features:**

**3.**

**Features:**

**4.**

**Features:**

**Cross:**

**Features:**

**Hybrid Vigour:**

**Calving**

**Preparing:**

**1.**

**2.**

**At calving:**

**1.**

**2.**

**3.**

**4.**

|  |  |
| --- | --- |
| **Practice** | **Reason** |
|  |  |
|  |  |
|  |  |
|  |  |

**Tagging:**

**Dehorning:**

**Castration:**

**Housing:**

**Feed Changes:**

**Scratch Factor:**

**Heat Detection**

**Importance:**

**1.**

**2.**

**3.**

**Advantages of a Grass Based System**

**1.**

**2.**

**3.**

**Bull Selection**

**First time calving:**

**Replacements:**

**Weights**

|  |  |
| --- | --- |
| **Birth** |  |
| **1st Turn out** |  |
| **Housing** |  |
| **2nd Turn out** |  |
| **Mating** |  |
| **2nd Housing** |  |
| **Calving** |  |

**Culling animals**

**Reasons:**

**Breeding heifers:**

**Reasons:**

**Replacement Rate:**

**Replacement Heifers**

**1.**

**2.**

**3.**

**4.**

**5.**

**Milking**

**1.**

**2.**

**3.**

**4.**

**Milking Routine**

|  |  |
| --- | --- |
| **1.** |  |
| **2.** |  |
| **3.** |  |
| **4.** |  |
| **5.** |  |

**Management**

**Early Lactation**

**Peak Yield:**

**“Milking off her back”:**

**In housing:**

**Grazing:**

**Mid Lactation**

**1.**

**2.**

**Late Lactation**

**1.**

**Drying off:**

**Steaming up:**

**Reproductive Efficiency**

**Deficiency:**

**Aim:**

**Approaches:**

|  |  |
| --- | --- |
|  |  |
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|  |  |
|  |  |

**Economic Breeding Index**

**Purpose:**

|  |  |
| --- | --- |
| **Index** | **Measures** |
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