

**FALL DORMANCY 4-5**

# TRD

## MORPHO-PHYSIOLOGICAL CHARACTERISTICS:

- Flamish type
- Good resistant to winter-hardiness
- Medium - quick regrowth
- Extremely fine thick stems
- 18-20 ton x ha (22-23% of proteins) in 5-6 cuts



## AGRONOMICAL CHARACTERISTICS :

- Very persistence and winter-hardy cultivar, with a great root system naturally designed with a greater degree of the branch rooted trait that helps when freezing occurs
- Variety with a good resistance to drought, thanks also to its particular root taproot system which allows it to reach and obtain water in depth
- Good characteristics of resistance to all of the major pests and diseases like Mosaic Virus, Anthracnose, Aphanomyces, Fusarium, Alfalfa Aphid and common leaf spot
- High forage yielding, with excellent quality and highly digestive
- Utilization: green forage, hay, silage

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| PEST PACKAGE               | HR | R | MR | LR | S |
|----------------------------|----|---|----|----|---|
| <b>DISEASES</b>            |    |   |    |    |   |
| Anthrachnose               |    | • |    |    |   |
| Aphanomyces – Race1        | •  |   |    |    |   |
| Aphanomyces – Race2        | •  |   |    |    |   |
| Bacterial wilt             | •  |   |    |    |   |
| Fusarium wilt              |    | • |    |    |   |
| Phytophthora root rot      | •  |   |    |    |   |
| Verticillium wilt          |    | • |    |    |   |
| <b>INSECTS</b>             |    |   |    |    |   |
| Blue alfalfa aphid         | •  |   |    |    |   |
| Pea aphid                  | •  |   |    |    |   |
| Cowpea aphid               | •  |   |    |    |   |
| Spotted alfalfa aphid      | •  |   |    |    |   |
| <b>NEMATODE RESISTANCE</b> |    |   |    |    |   |
| Northern root knot         | •  |   |    |    |   |
| Southern root knot         | •  |   |    |    |   |
| Stem                       |    | • |    |    |   |

### Agronomics

|                         |           |
|-------------------------|-----------|
| Yield rating            | 4         |
| Fall dormancy class:    | 4,5       |
| Recovery after cutting: | medium    |
| Winter survival:        | Excellent |

*Yield rating key:*

*5=Best; 3=Average; 1=Poor*

### Performance

Excellent winter survival rating  
Superior forage quality



TRD is an alfalfa variety that perform well over a wide range of environmental conditions and is adapted to all areas where 4 and 5 fall dormancy varieties are planted. It has an high leaf expression for improved forage quality with high percentage of proteins and low lignin content. It has an excelent winter survival rating.





**ALFALFA cv.  
TRD**



# THE ADVANTAGE OF THE SEEDS COATING

- Is a technology that allows to create an active casing around the seeds consisting in Rhizobia, Mycorrhiza, Trichoderma and nutritional factors that ensure:

- **PROTECTION:**

- Protecting the seeds from birds and rodents, in fact coating components are not toxic but they don't even attract them. From mechanical stress and from abiotic and biotic stress like adverse weather conditions, pathogens, parasites and nematodes.

- Carry seed treatments such as pesticides and fungicides

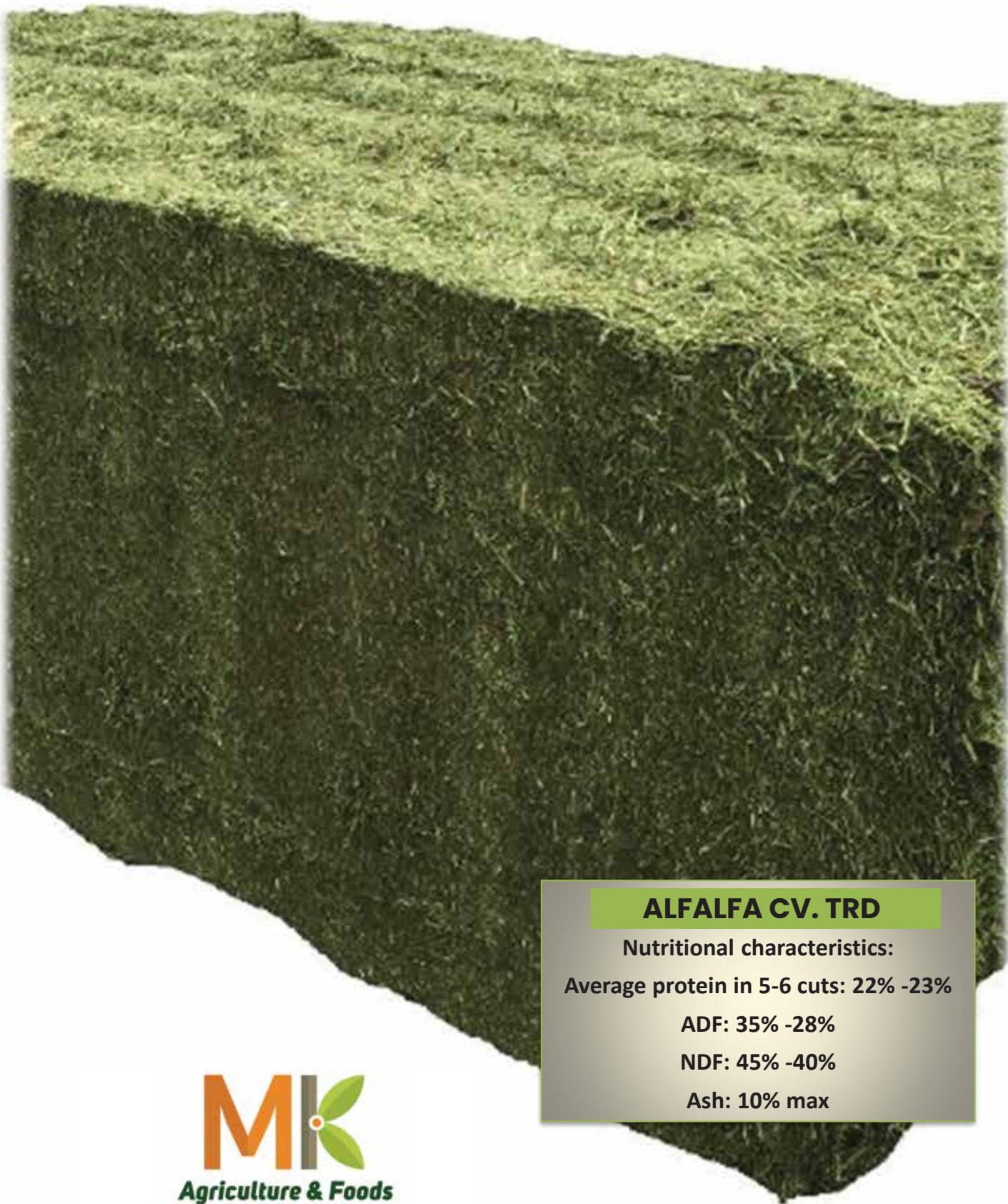
- **NOURISHMENT:**

- Allows the formation of roots nodules by extending the root system, improving the efficiency of absorption of nutrients and ions (P and N) in moist and of water in arid environments.

- **ENRICHEMENT OF SOIL:**

- Increases in a natural way, through nitrogens-fixing bacteria carriers, the amount of nitrogen combined in the soil and corrects the acidity of the soil (calcium carbonate) creating a favorable environment for the seed to its rapid germination.





### **ALFALFA CV. TRD**

**Nutritional characteristics:**

**Average protein in 5-6 cuts: 22% -23%**

**ADF: 35% -28%**

**NDF: 45% -40%**

**Ash: 10% max**