

Tuğra
tarım
ÇİFTLİK EKİPMANLARI



FARM EQUIPMENT



OTKESS

**GRASSCUT / MOWER MACHINE FOR COLLECTING
HANDLING AND DISTRIBUTION GREEN GRASS**



The production purpose of the OTKESS/GRASSCUT / Mower Machine For Collecting Handling and Distribution Green Grass is to mow, collect and distribute useful green grasses up to 150 cm in the field, such as reygras, caramba, on a daily basis, without touching or shredding, and distribute them in front of the cattle.

With OTKESS/GRASSCUT, four tasks such as mowing, collecting, transporting and dispersing are done simultaneously, saving time. Thus feed and labor costs are reduced.

OTKESS/GRASSCUT Series, which has 2 types as Drum and Spike, can adapt to different geographical conditions. It can also be used on rough terrain.

OTKESS



With the drum type OTKESS/GRASSCUT it basically mows the green grass with the traditional drum mowing method and carries the mowed grass with the specially manufactured elevator system to the frame of the machine without damaging it.

The OTKESS/GRASSCUT carrying case keeps the mown grass in the simplest way, without heating or crushing. Thanks to the elevator, it carries the grass safely from front to back with the help of a scraper on the floor. Again, with the help of this scraper chain, when the unloading trunk is opened without the need for a damper, it carries the grass inside onto the rear conveyor. Conveyor discharging belt is designed to pour the weed on both sides of the machine according to its dimensions. In cases where the discharge band is not used, it is discharged from the bottom of the case with the help of side pistons. In this way, the piston is protected from external factors.



OTKESS/GRASSCUT is controlled by manual control as standard in work and road conditions. However, optionally, a touch screen and remote control



system can be integrated into the machine.

Tires and axles of our OTKESS/GRASSCUT Series Machines are suitable for terrain conditions and high tonnage.

OTKESS/GRASSCUT Series can be manufactured in 7 or 14 m³ volumes according to the farm capacity.

WHY TO USE **OTKESS** /GRASSCUT ?

There is no yield for the second or third time from the areas where the animals grazing on the planted plants are trampled, from the areas where they lie, from the roots that they burn with fresh manure. This situation causes a decrease in green grass yield in the fields.

Thanks to OTKESS/GRASSCUT, the damage of animals in the field during the grazing process is reduced to zero. In addition, it prevents the energy loss of animals walking long distances for grazing and reduces the risk of disease in the round trip distance.



Benefits of OTKESS/GRASSCUT

- * It increases milk yield.
- * It increases the fat and protein ratio of milk.
- * It relaxes the digestive system of cows.
- * It reduces silage and concentrate feed costs.
- * It reduces labor costs.
- * The green grass in the field is served to the cows with no waste.
- * It prevents the decrease in harvest yield.
- * There is no loss of calories and energy in cows since they don't have to walk to graze in the fields.



OTKESS/GRASSCUT MEDICAL AROMATIC PLANT MOWER AND HARVESTER MACHINE

The OTKESS/GRASSCUT Medical Aromatic Plant Mower and Harvester Machine is designed for the purpose of mowing and collecting useful grass daily, untouched and without shredding.

Medicinal aromatic plants can be harvested and transported with OTKESS/GRASSCUT's K series models with harpoon. It is very important for the aroma efficiency of the plant to cut the aromatic plants with scissors without wearing them down. Therefore, a more modern and efficient harvesting process is carried out with the ziplock system.

OTKESS/GRASSCUT Medical Aromatic Herb Mower and Harvester Series can adapt to different geographical conditions. It can also be used on

rough terrain.

OTKESS/GRASSCUT is controlled by manual control as standard in work and road conditions. However, optionally, a touch screen and remote control system can be integrated into the machine.

Tires and axles of our OTKESS/GRASSCUT Series Machines are suitable for terrain conditions and high tonnage.

OTKESS/GRASSCUT Series can be manufactured in 7 or 14 m³ volumes according to the farm capacity.





TECHNICAL SPECIFICATIONS

MODEL	OTKESS 4000 (Drum Type)	OTKESS 7000 (Drum Type)	OTKESS ARM-4000 (Spike Type for Aromatic Herbs)	OTKESS ARM-7000 (Spike Type for Aromatic Herbs)
Type	Trailed Type/ Drum	Trailed Type/ Drum	Trailed Type/ Spike	Trailed Type/ Spike
Number of disc/ drum	2 drum	2 drum	spike	Spike
Number of blade	6	6	6	6
Working Width	Between 165-190 cm	Between 165-190 cm	Between 165-190 cm	Between 165-190 cm
Tires	400/50 R17 IMF 18	500/50 R17 IMF 18	400/50 R17 IMF 18	500/50 R17 IMF 18
Conditioner	No	No	No	No
Required Tractor Power	55-65 hp	60-75 hp	55-65 hp	60-75 hp
Pto Cycle	540 rpm	540 rpm	540 rpm	540 rpm
Capacity	7 m ³	14 m ³	7 m ³	14 m ³

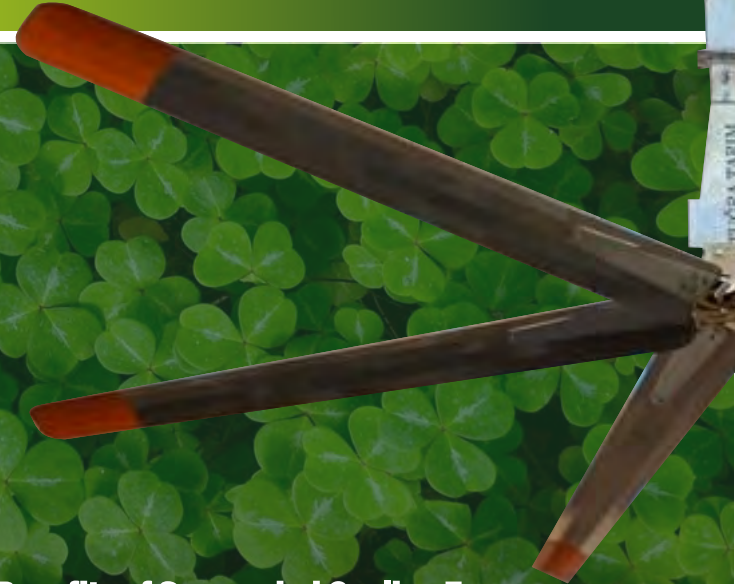


SAFİR HELICOPTER HVLS FAN (COOLING FAN)

Air temperatures above 22°C are not suitable for the productivity of cows. They experience serious productivity losses due to heat stress. High temperature differences also cause our cows to lose productivity. Cooling fans also help keep animal walkways and sleeping areas dry, preventing many injuries and helping cows sleep in dry bedding. Cooling fans or ventilators prevent cows' productivity losses. Cooling fans and ventilators also help to protect cows from many lung diseases by getting rid of the humid and dirty air inside the barn by providing air circulation inside the barn.

Benefits of Suspended Cooling Fan:

- * It distributes the air homogeneously from top to bottom in 360° degree towards wider areas.
- * It ensures that all animals in the barn, not only in a limited area, can benefit from the fan at the same time.





SAFIR HELICOPTER HVLS FAN (COOLING FAN)

- * Compared to existing cooling systems, it is much more economical in terms of cost, implementation and maintenance.
- * Electricity consumption is minimal.
- * It helps to remove hot, polluted air and bad odors from the barn.
- * It is useful for cooling the ground in summer and drying the ground in winter. Thus, it provides appropriate air-conditioning.both in

summer and in winter. Summer – Winter provides a comfortable

- * It offers a quiet operation.
- * It keeps flies away in the farm surroundings.
- * It reduces the heat stress of animals and provides an increase in meat and milk yield.





Recommended Application Areas

- * Shopping Malls,
- * Cattle Farms,
- * Factory, Warehouse, Hangar,
Industrial Facilities,
- * Marble Workshops,
- * Covered Market Areas,
- * Spacious and High Ceiling
Spaces (Fair Grounds, Shopping and
Entertainment Centers, Showrooms,
Sports Halls),



SAFIR HELICOPTER HVLS FAN (COOLING FAN)



TECHNICAL SPECIFICATIONS

	SF-01 4 M	SF-01 5 M	SF-01 6 M
Number of Wings	6 AluminumWings	6 AluminumWings	6 AluminumWings
Wing Diameter	4 m	5 m	6 m
Engine Power	0,75	1,5	1,5
Maximum Rotational Speed	96 rpm	104rpm	110rpm
Required Voltage	380 Volt	380 Volt	380 Volt
Automatic Mode	Optional. It starts working at 25° degrees.	Optional. It starts working at 25° degrees.	Optional. It starts working at 25° degrees.



HEAD LOCKING BARRIER SYSTEMS

Head Locking Barrier Systems prevent animals from taking up more space than necessary standing upright in the feeder thus prevents productivity loss due to competition in the feeder. In addition, it helps to keep animals easily and without stress them too much during operations (such as vaccine, medicine production, insemination etc.).

Benefits of Head Locking Barrier Systems ;

- * provide ease of individual feeding and directly affects milk yield.
- * can be opened and closed with a single lever. It facilitates regular and timely feeding in groups. It is silent and has double opening with its plastic parts.
- * should be strong and long-lasting, should not have parts that could injure animals, and should be produced with care and quality.



HEAD LOCKING BARRIER SYSTEMS



TECHNICAL SPECIFICATIONS

Model	YK-01
Material	Hot-dip galvanized
Upper Pipes	60*3 mm
IntermediatePipes	42*2 mm
Size (Height)	100 cm
Size (Width between two locks)	65-70 cm
Lower-Top Pipes Distance	88 cm
Individual Locking	Available
Mechanism	Double Open Silent Model



COW CUBICLE

Comfort is very important for cattle in terms of productivity. Cow Cubicle allows cows to lie down and get up easily without causing stress and injury. It can also optimally control the cow's position to keep the stalls clean, reducing the risk of mastitis.

Benefits of Cow Cubicles:

- * It provides separate resting area for each animal. In this way, it is ensured that the animals rest comfortably and safely.
- * It restricts the movement of animals that may cause injury.
- * It ensures that the cleaning of the barn and the animal traffic in the barn are regular.
- * Animals breathe more easily when they lie down in the area reserved for them, and this reflects positively on productivity.
- * All fittings and pipes are covered with hot-dip galvanization against corrosion.
- * Its dimensions are adjustable.



TECHNICAL SPECIFICATIONS

MODEL	YT-01
<u>Material</u>	Hot Dip Galvanized
<u>Cow Cubicle</u>	60*3 mm
<u>Collar Pipe Diameter</u>	42*2 mm
<u>Rear Cross Barrier Pipe</u>	42*2 mm
<u>Dimension</u>	175*125 cm
<u>Dimension (WidthBetweenTwoBeds)</u>	100-120 cm
<u>Adjustability</u>	Adjustable
<u>Type</u>	Individual
<u>Connection</u>	U Bolt Clamp
<u>Installation</u>	It's fixed on the concrete with 4 piece dowel.



AUTOMATIC MANURE SCRAPER

High hygiene standards inside the barn reduces the risk of infection, prevents foot diseases and mastitis and improves animal welfare. The automatic manure scraper ensures that the manure lanes inside the barn can be cleaned economically and safely. Manure scrapers can be operated automatically or manually when required. In automatic mode, the operating intervals can be determined by the user.

We manufacture chain or hydraulic manure scrapers according to the needs of your farm.



AUTOMATIC MANURE SCRAPER

Benefits of Regular Barn Cleaning;

- * facilitates the movement of cows in the barn.
- * reduces foot diseases.
- * increases the general cleanliness of cows.
- * improves the air quality in the barn for your cows and workers by reducing ammonia emissions.
- * increases meat and milk yield.
- * provides a healthy herd continuity.



TECHNICAL SPECIFICATIONS

Engine Power	1.1 kW
Cycle	7 rpm
Height	170 mm
Wing Length	Changeable
Paddling	Hot Dip Galvanized



TIP OVER CHROME DRINKERS

It is used to meet the instant water needs of animals. Due to its high water supply and special structure, long-time drinking bowl cleaning task is minimized. Because the water bowl depth is too low, the bait pieces cannot settle and therefore the trough remains clean. It provides fast drainage and easy cleaning thanks to its tilting mechanism.



TIP OVER CHROME DRINKERS

Benefits of Tip Over Chrome Drinking Bowl:

- * Water is always fresh in tipping chrome drinkers.
- * Thanks to the support arm, animals are prevented from defecating inside.
- * Provides easy cleaning
- * Since it is made of chrome material, it has a positive effect on animal health.
- * There are multiple fixing points for easy mounting.
- * There are 3 capacities, 125 lt, 200 lt, 250 lt.
- * It saves time as it is easy to use and clean
- * It increases the water consumption of the cows and directly affects the milk yield.



TECHNICAL SPECIFICATIONS

MODEL	KS-125	KS-200	KS-250
Type	Tipping Chrome Drinker	Tipping Chrome Drinker	Tipping Chrome Drinker
Material	1,2 mm Stainless Chrome (AISI 304)	1,2 mm Stainless Chrome (AISI 304)	1,2 mm Stainless Chrome (AISI 304)
Size	145x65x80 cm	220x65x80 cm	270x65x80 cm
Capacity	125 lt	200 lt	250 lt
Number of partitions	Absent	Absent	Absent
Floattype	Automaticfloat	Automaticfloat	Automaticfloat
heater	Absent	Absent	Absent
Case Structure	60*3 mm Hot Dip Galvanized Leg	60*3 mm Hot Dip Galvanized Leg	60*3 mm Hot Dip Galvanized Leg
Model	Wall Mounted/FloorMounted	Wall Mounted/FloorMounted	Wall Mounted/FloorMounted



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PROJECT MANAGEMENT

TTuğra Tarım implements turnkey projects such as new farm establishment, farm modernization within the scope of ARDSI or RURAL DEVELOPMENT Projects.

In this context;

- * Project File Preparation, Follow-up and Management
- Drawing of Architectural and Static Projects
- * Reinforced Concrete Farm
- * Building Construction
- * Profile Truss Roof Installation
- * Sandwich Panel or Trapezoidal Sheet Roofing
- * Stall Irons

- * Lock Systems
- * Paddock Systems
- * Milking Parlor Setup
- * Rubber Animal Mattresses
- * Automatic Animal Drinkers
- * Manure Scraper
- * Scratching Machines

We provide services including installation and assembly



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