ÖZKAN TARIM 1979

AGRICULTURE MACHINES

ÖZKAN®

OTOMOTİV TARIM MAKİNALARI İNŞAAT TAAHHÜT NAKLİYE GIDA TARIM ÜRÜNLERİ İMALAT İTHALAT İHRACAT SANAYİ VE TİCARET LTD.ŞTİ.

AUTOMATIC PUMPKIN HARVESTING MACHINE USER MANUAL



MODEL: OKHM-B2

AGRICULTURAL MACHINES

CAUTION!

DO NOT OPERATE THE MACHINE WITHOUT READING THE USER MANUAL!

www.ozkantarim.com.tr

“CE DECLARATON OF CONFORMITY”

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Adres: Kayseri Karayolu
Sindelhöyük Mah. Girişi No: 1
Develi /KAYSERİ/TURKEY

Ticaret Sicil : 1198
Oda Sicil : 1191

We declare that we produce the undermentioned product with serial number, name and model in acordance to meet the standards and directives.

Type/ Model	OKHM-B1
Serial No	.....
Production Date	20.....

The directives that meet the products specifications:

- **DIRECTIVE FOR MACHINES SAFETY REGULATION (2006/42 AT)**
- **TS EN ISO 14121-1**
- **TS EN ISO 12100-1**
- **TS EN ISO 12100-2**
- **TS EN 982**
- **TS EN 703**
- **TS 7389**
- **DIRECTIVE '' General Product Directive '' 2001/ 95 EEC**

We have been aplying the '' CE '' mark on this product from the date 06.05.2007.

Manager
Mustafa ÖZKAN
...../...../.....

T.C.
TÜRK PATENT ENSTİTÜSÜ

FAYDALI MODEL BELGESİ

No: TR 2013 02792 Y

Bu Belge 551 Sayılı Patent Haklarının Korunması Hakkında Kanun Hükmünde Kararname'nin 162 nci maddesi uyarınca ***07.03.2013*** *tarihinden itibaren* ***10 yıl*** *süre ile verilmiştir.*

Salih BEKTAŞ

Enstitü Başkanı a.

Patent Dairesi Başkanı

TÜRK PATENT [●] ENSTİTÜSÜ

ÖZKAN
OTOMOTİV TARIM MAKİNALARI İNŞAAT TAAHHÜT NAKLİYE GIDA TARIM ÜRÜNLERİ İMALAT İTHALAT İHRACAT SANAYİ ve TİCARET LTD.ŞTİ
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AT Uygunluk Beyanı	**EC Declaration of Conformity**
Aşağıda tanımlanmış olan makine için 2006/42/AT Makina Emniyeti Yönetmeliği temel gerekliliklerini yerine getirildiğini ve sorumluluğun alınmış olunduğunu beyan ederiz. Aşağıda tanımlanan ekipmanların iç üretim kontrolü *ÖZKAN TARIM* ***tarafından*** kontrol edilmektedir.	**1.1.2** The undersigned Company certifies under its sole responsibility that the item of machinery specified below satisfies the essential requirements of the EC Machinery Safety Directive 2006/42/EC which is apply to it. *1.1.3* The item of machinery identified below has been subject to internal manufacturing checks assessment by *ÖZKAN TARIM.*
1.1.1 Ürün Adı OTOMATİK KABAK HASAT MAKİNASI **Seri no:** **Tip-Model** OKHM B1	**1.1.4 Product Name** AUTOMATIC PUMPKIN HARVESTING MACHINE **Serial no:** **Type-Models** OKHM B1
Teknik dosyayı hazırlamakla yetkili olan kişinin adı ve adresi Mustafa Özkan Kayseri Karayolu Sindelhöyük Kasaba Girişi No:1 Develi-Kayseri /TÜRKİYE	**Name and address of the person authorised to compile the technical construction file** Mustafa Özkan Kayseri Karayolu Sindelhöyük Kasaba Girişi No:1 Develi-Kayseri /TÜRKİYE
Marka ÖZKAN TARIM	**Brand Name** ÖZKAN TARIM
CE İşaretinin Vurulduğu Yılın Son İki Hanesi 10	**Last Two Digit Year of CE marking affixing** 10
Uygulanan AB Yönetmelikleri 2006/42/AT Makine Emniyeti Yönetmeliği	**Applicable EU Directives** 2006/42/EC Machinery Safety Directive
Uygulanan Standartlar EN ISO 12100-1: 2003; EN ISO 12100-2 :2003; EN ISO 14121-1:2007	**Applicable Standards** EN ISO 12100-1 :2003; EN ISO 12100-2 :2003; EN ISO 14121-1:2007

AGRICULTURAL MACHINES

ON BEHALF OF MANUFACTURER - İMALATÇI ADINA

Name (Adı**)** **:** Mustafa Özkan

Position (Görevi**)** **:** GM

Signature-Stamp (İmza-Kaşe**) :**

Date-Place (Tarih-Yer**)** **:** …/…/.20… / Develi / Kayseri – TÜRKİYE

ÖTM 1979
AGRICULTURAL MACHINES

ÖZKAN TARIM®

OTOMOTİV TARIM MAKİNALRI İNŞAAT TAAHHÜT NAKLİYE GIDA TARIM ÜRÜNLERİ İMALAT İTHALAT İHRACAT SAN. TİC. LTD. ŞTİ.

CE

TSE

ISO 9001:2000

GARANTİ 2 yıl yr WARRANTY

GARANTİ BELGESİ / WARRANTY CERTIFICATE

Üretici:

Unvanı: ÖZKAN OTOMOTİV TARIM MAKİNALARI İNŞAAT TAAHHÜT NAKLİYAT GIDA TARIM ÜRÜNLERİ İMALAT İTHALAT İHRACAT SANAYİ ve TİCARET LTD. ŞTİ.

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Menşe: TÜRKİYE/TURKEY

Yetkilinin İmzası:

Firmanın Kaşesi:

Satıcı veya İthalatçı:

Unvanı:

Adresi:

Telefonu:

Faks:

e-posta:

Fatura Tarih ve Sayısı:

Teslim Tarihi ve Yeri:

Yetkilinin İmzası:

Firmanın Kaşesi:

Ürün bilgisi / Product Information

Modeli/Model:

Tip/Type:

Seri No/Serial No:

Garanti Süresi: 2 YIL / 2 YEARS

Azami Tamir Süresi:

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INRTODUCTION:

We thank you for choosing our machine, and for this reason congradulate you. With our machine we hope that you will improve productivity and make saving. With our 30 years experience we are sure that you will gain productivity and low cost with our machine. This user manual shows you how to operate the machine in proper way. To stop accidents happening it is important that all sales, service and farmers using the machine should read the user manual carefuly. This way you will stop your selves from unexpected expenses and problems. In this user manual you can also find spare parts list for order parts. We hope that you will use your machine for long years. We are glad to assist you with our after sales support as well at all times.



2 Years Warranty:

All our machines are have 2 years warranty if used inaccordance with the user manual. This warranty applies if original parts are fitted at service centres.

AGRICULTURAL MACHINES

2.TECHNICAL SPECIFICATIONS







Machines Total Length	4900 mm
Machines Total Width	2600 mm
Machines Working Width	3900 mm
Machines Total Height	2700 mm
Machines Empty Weight	3000 kg
Machinde Full Weight	4500 kg
Working Capacity (hr)	20.000 m^2
Minimum Tractor Power	70 kW
Seed Tank Capacity	1000 kg
Water Tank Capacity	450 lt
Hand Wash Tank Capacity	30 lt
P.T.O.	540 rpm/14/16 d/dk 350
Tyres	400/60.15,5

AGRICULTURAL MACHINES

3. USING THE MACHINE IN TRANSPORT POSITION





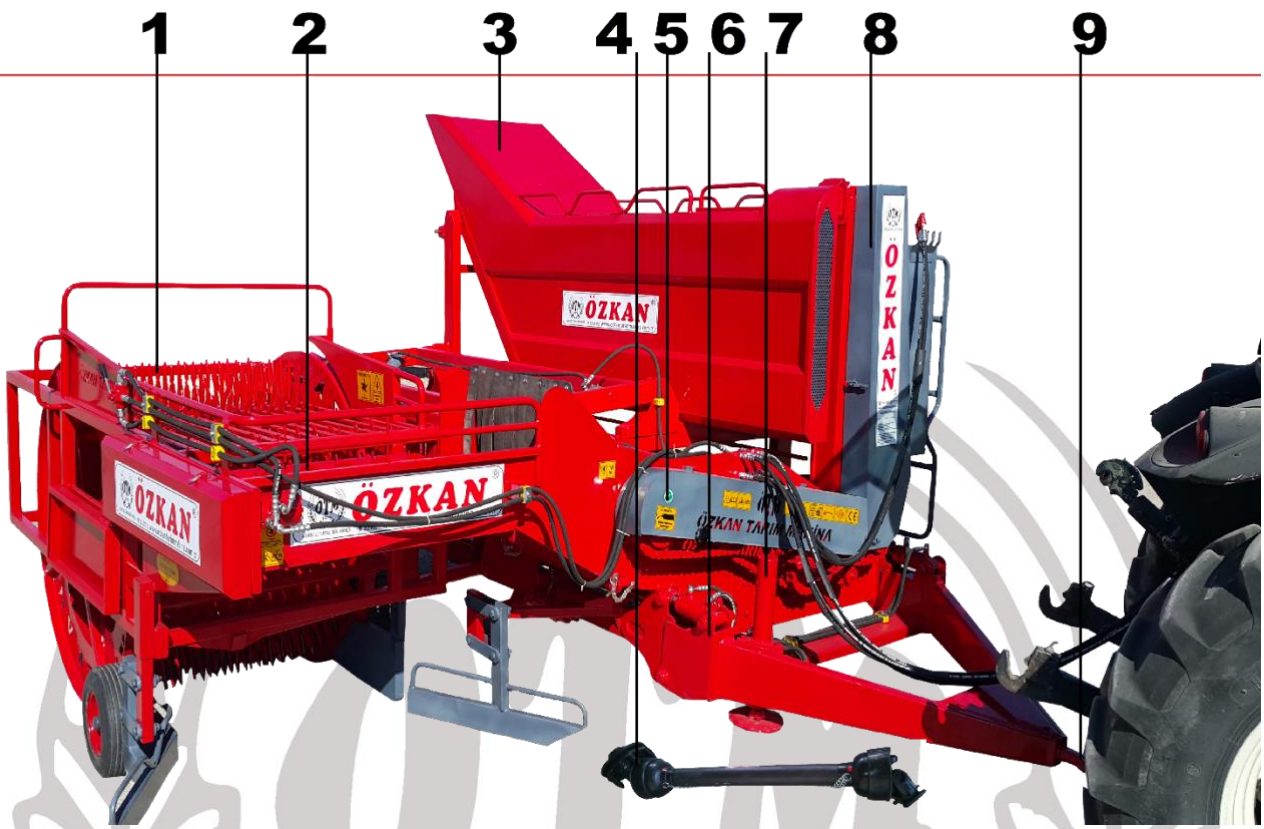
Safety Pim

3.1 THINGS TO BE CAUTION OF WHILE USING THE MACHINE IN TRANSPORT POSITION

1. Connect the machine with the tractor.
2. Plug the safety pim.
3. Connect the shaft to the tractor while intransport position!
4. Dont go more than 25 km/hr.
5. Dont carry people or products on it.
6. Leave the warning light on.
7. When the machine is emptying the seed from the seed tank do not move the machine.

3.2. THE MACHINES MAIN AND FUNCTIONAL PARTS

To operate the machine properly it is good to know the parts on the machine. In this section you will get to know the main parts and their duties on the machine. The machine consists of 6 main parts and these are.



1. CARRYING WHEEL
2. GRASS CLEANING AND FEEDING UNITE
3. SEED TANK
4. SHAFT
5. SAFETY SYSTEM FOR STONE JAM
6. SEQUENCE BALANCER ARMS
7. HYDRAULIC SETTING ARROW
8. SEED CARRIER
9. TURNING ARROW POINT

ÖM 1979 AGRICULTURAL MACHINES

4. HOW TO USE

4.1. THE PRELIMINARY PREPERATIONS, SETTINGS AND RULES REQUIRED

1. Connect the machine to the pivot shaft and the drawbar.
2. Make P.T.O. connection.
3. Fit the hydraulic records.
4. Lubricate the grease nipples on the machine.
5. Apply grease on all chains.
6. Move the machine to pumpkin harvesting position.
7. Fill the machines water tank with clean water
8. Make sure all check are performed before operating the machine.

4.2. THINGS TO BE CAUTION OF WHEN FIRST TIME STARTING THE MACHINE

1. The tractor must have a minimum 50-55 kw tail shaft (p.t.o) at 540 rpm and be operated with 12 or 14 km speed.
2. Pour a large amount of liquid soap or oil onto the sieves of the machine on your first operation.
3. Wet the sieves with plenty of water, (p.t.o) will be released in slow motion, if the machine vibrates, stop operation and soak again with soap, oil and plenty of water.
4. The machine will be operated with the same operation every year.
5. When the machine is used daily, the water tank on it will be full and leave the valve open during operation.
6. After working for a few hours, check the working parts.
7. At the end of work, clean and maintain.
8. Keep it in a closed area if it is not to be used again.
9. Make sure that the direction of rotation of the grass and cleaning device is correct.

4.3 WARNINGS WHILE HARVESTING WITH THE MACHINE.

1. When turning at the end of the row with the machine make sure to leave large space.
2. To make sure that the tractors do not damage the products leave a space in between rows.
3. In order to have a high working capacity of the machine, the products in the field (pumpkin, watermelon, melon etc.) should be done properly.
4. To make smoother collection and rowing use our pumpkin rowing machine. (Product code: ksym5.) Do not turn to the right when the pickup wheel is in the ground, as this may damage the working parts of the machine.
6. Do not turn while the machine is in operation (pto active).
7. When using on sloping terrain, the pickup wheel must not be lifted completely against overturning.
8. Check the grill screen located on the seed tank to see if it is full.
9. When unloading the seed hopper on the trailer or ground, do not perform sudden lifting and do not stand under it

IMPORTANT!

BE CAUTION OF UNDERMENTIONED ISSUES TO PROTECT FROM ACCIDENTS.

- **Only one person should use the machine.**
- **The operator should be able to see the working area easily. The field of vision of the operator must not be restricted.**
- **Never stand around the pick-up wheel when moving the machine into the working position.**
- **Before starting to use the machine, Learn the functions by reviewing the manual.**
- **When operating the machine, must not approached the working parts.**
- **Never enter between the tractor and the machine during operation.**
- **Do not carry passengers or goods on it.**
- **Sudden acceleration and sudden speed interruption must be avoided when starting and stopping the machine.**
- **Make sure that there are no (electrical cables, etc.) around before lifting the seed hopper.**
- **If you hear abnormal noise while the machine is operating, stop the tail shaft immediately and stop the tractor.**
- **Do not remove the shaft guards, replace the worn ones with new.**
- **When the machine is in transport mode the shaft should not be taken out and the speed should not be more than 25 km/hr.**
- **During maintenance Stop the tractor and the tail shaft.**
- **When you park the machine, use the chock and the fastening jack.**
- **While the machine is running do not enter between the machine and the tractor.**
- **No sudden acceleration should be carried out while the machine is running and stopped.**
- **When the machine is in the road position, the pick-up wheel must be lifted and the safety pin fixed.**
- **The machine and tractor must be stopped for adjustment and lubrication.**
- **Do not allow solids (Stone, Hard Material ext.) to enter the machine's crusher and the grill screen.**
- **When transporting the machine from one place to another, the shaft must be removed from the tractor and the machine brought to the road position.**
- **See page 23 for information on warning and warning signs on the machine.**
  Use the warning lights on the machine to prevent traffic accidents and check the air pressure of the tires regularly.

AGRICULTURAL MACHINES

5. PERIODIC MAINTENANCE INFORMATION

5.1 DAILY MAINTENANCE

- **Clean the pulp residues adhering on the machine with water jet.**
- **lubricate all grease nipples and chains of the machine before starting work.**
- **Tighten loosening bolts and chains.**
- **If there are any worn cleaning seives and palettes in the inner grids they should be replaced with new ones.**
- **Check tire pressures.**

- **Make sure that the warning lamps are working.**
- **Remove the stones accumulated in the stone trap chamber.**
- **Clean up what has accumulated underneath the grass and cleaning device.**

5.2. END OF SEASON MAINTENANCE

- **At the end of the season clean the machine throughly.**
- **Replace broken and worn parts.**
- **Apply grease to all grease nipples.**
- **Check and tighten all loose bolts and nuts.**
- **Paint where it needs to be painted.**
- **Protect sieves and grill sections with protective oil.**
- **Store the machine indoors.**

LIFETIME

When the above maintenance is done on time and regularly, the life of your machine is about 10 years.

6. POSSIBLE FAULTS TO OCCUR IN USE AND HOW TO FIX THEM

FAULT	REASON	HOW TO FIX
Vibrating on the first run	Because the pallettes are dry	Refer to page 4.3 of page 8 for the initial start-up.
The seed not going in to the storage tank	1. The lower carrier coil is not rotating. 2. Sieve transitions are blocked. 3. The chain of the seed carrier is out.	1. The gears bolts are loosened. Tighten the loose bolts. 2. Clean the transitions. 3. Install and tension the chain.
It is throwing a lot of seeds from the pulp outlet	1. Grid pallets are worn 2. Tractor p.t.o Tail shaft speed gas adjustment is damaged 3. lower carrier spiral chain is out	1. the worn grid pallets should be changed. 2. The tractors rpm must be at 540 rpm. Gas setting 12 or 14 km/hr 3. replace the chain and check the threaded bolts
Running with vibration and jerky	The machine must be dry	The machine should be wetted with water or the wash water is finished.
The seed is broken and damaged	Tractor throttle adjustment is high (new machines can crush and damage for a while)	The gas setting must be operated with 12 or 14 km/hr. New machine makes a temporary time of breaking and damaging
Collector does not take up wheel	3-way hydraulic valve is closed	Open the 3-way hydraulic valve.
Seed storage tank doesnt go up Depo kalkmıyor	3-way hydraulic valve is closed	Open the 3-way hydraulic valve.

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Weed cleaning unite throws pumpkins out	Weed cleaner must be turning the wrong way	Change the turning way from the tractors hydraulic valve.
Shaft is turning but the machine isnt	There must be solid object in the machine. Shaft brake must be loose	Take out the solid object from inside the machine Tighten the bolts on the shaft brake accordingly.
The shafts chains are turning but the crushers are not	There could be stone in the crusher. The bolts on the crusher spindle could be loose.	Take out the solid object from inside the machine. Tighten the bolts on the shaft brake accordingly.

RULES FOR REPAIR:

- Only the authorized service may intervene in the faults that occurred during the Warranty Period.
- Use and adjustment methods other than the rules described in the instruction manual should be avoided.
- Parts replacement due to wear and tear is not covered by the warranty.

7. MAINTENANCE

All kinds of services and spare parts of your machine are repaired and changed by our authorized distributors and their branches.

Factory :
ÖZKAN OTOMOTİV TARIM MAKİNALARI İNŞAAT TAAHHÜT NAKLİYE GIDA TARIM ÜRÜNLERİ İMALAT İTHALAT İHRACAT SANAYİ TİC.LTD. ŞTİ.

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Branch Phone :+90 352 621 34 38
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e-mail : export@ozkantarim.com.tr
A dd r ess:
Factory: Kayseri karayolu Sindelhöyük Mahallesi girişi No:1 Develi / KAYSERİ / TURKEY
Branch: Sanayi sitesi 1. cadde No:1 Develi /KAYSERİ / TURKEY

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8. SPARE PARTS LIST

NO	PEICE	PARTS PICTURE	PARTS CODE
1	1		OKHM-B1/001 TURNING ARROW HEAD
2	400		OKHM-B1/002 COLLECTING WHEEL ARROW
3	1		OKHM-B1/003 BOLTED JACK
4	1		OKHM-B1/004 CRUSHER DRUM SPINDLE
5	8		OKHM-B1/005 HYDRAULIC HOSE

6	1		OKHM-B1/006 KIRICICRUSHING BAND SHEET
7	1		OKHM-B1/007 BALASTIC SHAFT
8	4		OKHM-B1/008 SEED CARRYING PALLETTE
9	1		OKHM-B1/009 LOWER CARRYING SPIRAL
10	1		OKHM-B1/010 3 WAY HYDRAULIC VALVE
11	1		OKHM-B1/011 HYDROMOTOR

12	4		OKHM-B1/012 WEED CLEANING SPIRAL
13	1		OKHM-B1/013 SCREEN SEIVE SPINDLE
14	1		OKHM-B1/014 CENTRE CEIVE SPINDLE
15	1		OKHM-B1/015 OUTTER SEIVE SPINDLE
16	1		OKHM-B1/016 LOWER SPIRAL GEAR 5/8
17	1		OKHM-B1/017 LOWER SPIRAL MOVING GEAR 5/8

AGRICULT MACHINES

18	1		OKHM-B1/018 LOWER SPIRAL TENSION GEAR 5/8
19	1		OKHM-B1/019 1'' SCREEN CEIVE GEAR 20 THREAD
20	3		OKHM-B1/020 1'' CENTRE AND CRUSHING SPINDLE GEAR 18 THREAD
21	2		OKHM-B1/021 1'' SIDE SIEVE GEAR 16 THREAD
22	3		OKHM-B1/022 1'' TENSION GEAR 11 THREAD

23	4		OKHM-B1/023 SEED COLLECTING GEAR
24	1		OKHM-B1/024 SEED COLLECTING MAIN MOVING GEAR
25	5		OKHM-B1/025 ROLLER GEAR
26	5		OKHM-B1/026 209 BEARING 1
27			OKHM-B1/027 207 BEARING 1

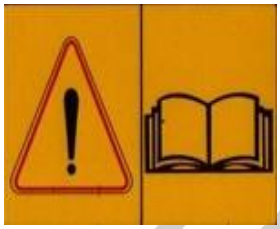
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28	1		OKHM-B1/028 207 BEARING 2
29	3		OKHM-B1/029 209 BEARING 3
30	1		OKHM-B1/030 207 BEARING 4
31	4		OKHM-B1/031 WEED CLEANING BEARING UCPA-205
32	4		OKHM-B1/032 WEED CLEANING BEARING UCF-205
33	8		OKHM-B1/033 SEED COLLECTING BEARING PF-205

34	72		OKHM-B1/034 CLEANING LASTIC PALETTE
35	1		OKHM-B1/035 BREAKING BRAKE GEAR
36	1		OKHM-B1/036 SEED TANKS PISTON
37	2		OKHM-B1/037 COLLECTING WHEELS LIFTING PISTON

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9. WARNING – WARNING SIGNS AND MEANINGS



READ THE USER MANUAL!



DON'T GO IN BETWEEN THE MACHINE AND THE TRACTOR!



TURNING POINT



AT DECLERATION CONFORMITY



HAND SEQUEEZING RISK!



TURKISH STANDARD CONFORMITY DECLERATION CERTIFICATE



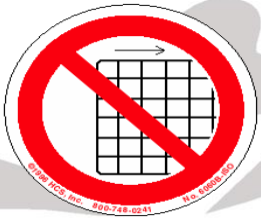
TURNING PARTS HAND SQUEEZE RISK!



TURNING CHAIN HAND SEQUEEZING RISK!



MAINTAIN THE MACHINE IN ACCORDANCE WITH THE USER MANUAL!



DON'T USE WITHOUT PROTECTION!



DON'T STAY UNDER MOVING MECHANIZM!

CULTURAL MACHINES