

VIBRA-SOIL

VIBRA-SOIL : a Badalini invention



VIBRA-SOIL

After many years of agronomic studying Vibrasoil was developed. The main purpose of Vibrasoil is to help drainage during wet weather and help water rise up during periods of drought. During dry weather this machine assures good water supplies as soil is broken up but remaining in original structure. By breaking up the soil in working depth it ensures that the ground remains porous and airy. As fertile soil remains on the surface it can easily be reached by roots of plants in their early growing stage. This machine vibrates by an eccentric rotary device powered by tractor PTO. The HP required is not much considering the depth. This machine is very useful and provides the opportunity to reduce amount of water for irrigation together with fuel and time saving.



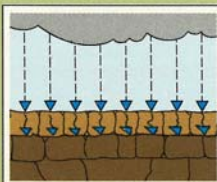
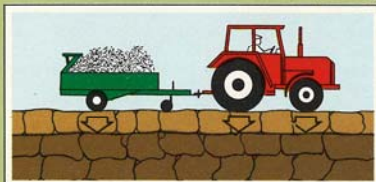
MACCHINE AGRICOLE

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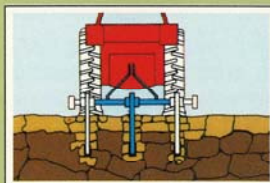
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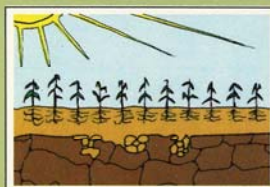
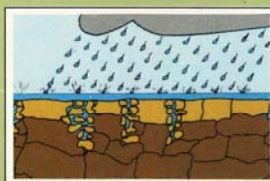
Situazione del terreno per i continui passaggi dei mezzi meccanici pesanti.
Soil situation caused by the use of heavy tractors and implements.
Etat du terrain après les nombreux passages de tracteurs et machines agricoles lourdes.



Terreno reso impermeabile dalla meccanizzazione; infatti quando piove l'acqua non riesce a penetrare in profondità ed il sole lascia larghe spaccature.
The use of heavy tractors and implements cause increased compaction in the soil. So, when it rains, the water penetration is reduced and later, the surface crusting is broken by the sun.
Terrain imperméable à cause du passage continu des machines agricoles. En effet, quand il pleut, l'eau n'arrive pas à pénétrer le terrain en profondeur et le soleil y laisse de larges fentes.



LAVORAZIONE DI DRENAGGIO CON RIPPER O RIPUNTATORI FISSI DRAINAGE WORKING WITH NORMAL SUB-SOILERS TRAVAIL DE DRAINAGE AVEC SOUS-SOULEUSES NORMALES



La rottura del terreno avviene soltanto dove passano le punte, per cui l'acqua penetra solo in quelle fessure.

The shanks break the soil in stripes, so the water cannot penetrate properly through the earth.

La cassure du terrain adient seulement où passent les dents et pour cette raison l'eau pénètre uniquement dans ces fessures.

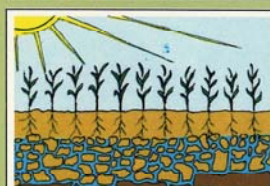
La mancata rottura uniforme in profondità non facilita la resa dei prodotti.

The wrong breakage of the soil seen above, reduces the yield.

La mauvaise et non uniforme rupture du terrain en profondeur compromet le rendement.



LAVORAZIONE DI DRENAGGIO CON **VIBRA-SOIL** DRAINAGE WORKING WITH **VIBRA-SOIL** TRAVAIL DE DRAINAGE AVEC LE **VIBRA-SOIL**



Con il **VIBRA-SOIL** la rottura è uniforme e totale, permettendo all'acqua di penetrare su tutta la superficie.

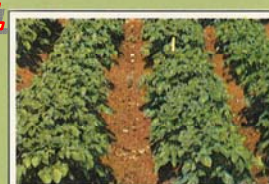
Our **VIBRA-SOIL** breaks the soil in the right way, thus allowing the water to penetrate all over the surface.

Avec le **VIBRA-SOIL** la cassure est uniforme et totale, permettant à l'eau de pénétrer sur toute la surface.

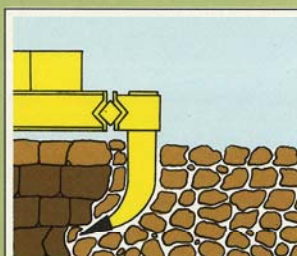
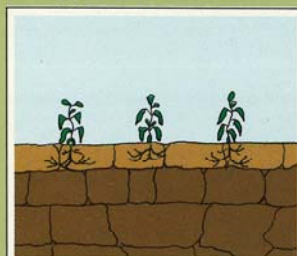
La resa delle coltivazioni è elevata quando le radici hanno la possibilità di attingere in profondità.

The **VIBRA-SOIL** improves roots development, increasing the yield.

Le rendement des cultures est élevé quand les racines ont la possibilité de puiser en profondeur.



Dopo il passaggio del **Vibra-Ter**, se si vuole evitare l'aratura, il **Dumbo-Ter** è la macchina più idonea. Usando poi la **COMBINATA** si ottiene in un solo passaggio il letto di semina.



After the **Vibra-Ter**, you can use the **Dumbo-Ter** to avoid ploughing. Moreover the **COMBINATA** gives you the opportunity to have a seed bed preparation in only one passage.
Après le passage du **Vibra-Ter**, on peut utiliser le **Dumbo-Ter** pour éviter le labourage. En outre la **COMBINATA** permet d'obtenir en un seul passage le terrain de semence.

VIBRA-SOIL



CHIEF FEATURES

This machine has been carefully developed only after many years of agronomic studying. It was especially designed for drainage. In very dry weather it assure good water supplies. It vibrates sideways and is able to chop up all heavy and stony soil. The horse power needed is not very much considering the depth that the machine goes down. It has an eccentric rotary device that gives to tines an



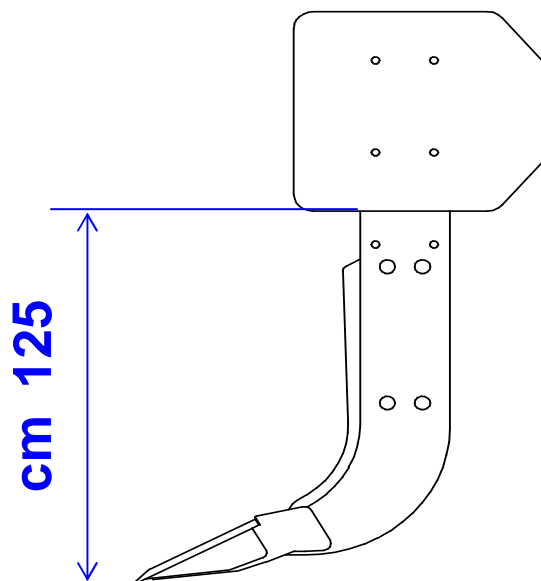
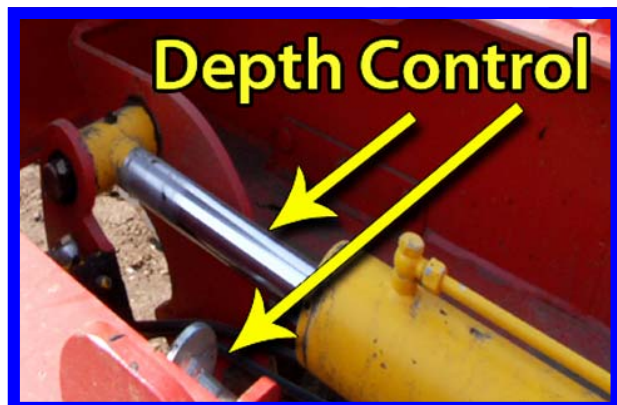
| SUPERFICIE ORARIA DI LAVORO con WORKING SURFACE PER HOUR with SURFACE HORAIRE TRAVAILLEE avec FLÄCHENLEISTUNG PRO STUNDE mit | | | mod. VT/TA3 |
|---|---|---|----------------|
| Avanzamento km/h Advancement km/h Geschwindigkeit km/h | Ettari per 1/h Hectares per 1/h Hectares pour 1/h Arbeitsleistung ha/h | Ettari per 8/h Hectares per 8/h Hectares pour 8/h ha-Leistung in 8 Stunden | |
| 2 | 0,5 | 4 | |
| 2,5 | 0,62 | 5 | |
| 3 | 0,75 | 6 | |
| 3,5 | 0,87 | 7 | |

helicoidal advancement to allow an easier penetration into the soil. The soil is broken up but it keeps the original structure. The fertile soil remains on the surface so that it can be easily reached by the roots of plants in their early growing stage. This machine vibrates in a way that it breaks up the soil in depth in order to ensure that the ground remains porous and airy.

| HP | Type | Tines | Kg |
|---------|--------|-------|------|
| 120-200 | VTb/T2 | 2 | 2150 |
| 150-300 | VTb/T3 | 3 | 2360 |
| 200-450 | VTb/T4 | 4 | 2535 |

This subsequently helps water to rise up during periods of drought. Its work is completely different and more specialized of that done by any ordinary deep cultivators.

It is a very useful piece of equipment that gives you the opportunity to reduce the amount of water used for irrigation together with fuel and time saving.



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