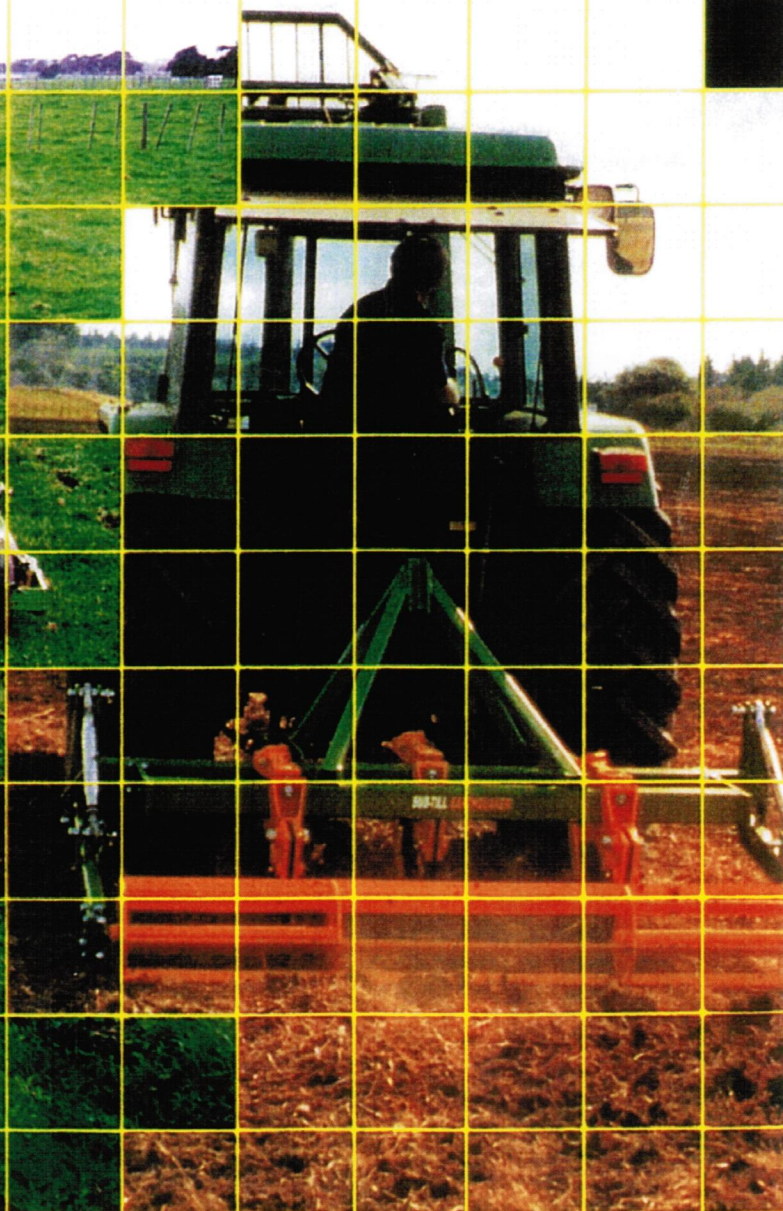
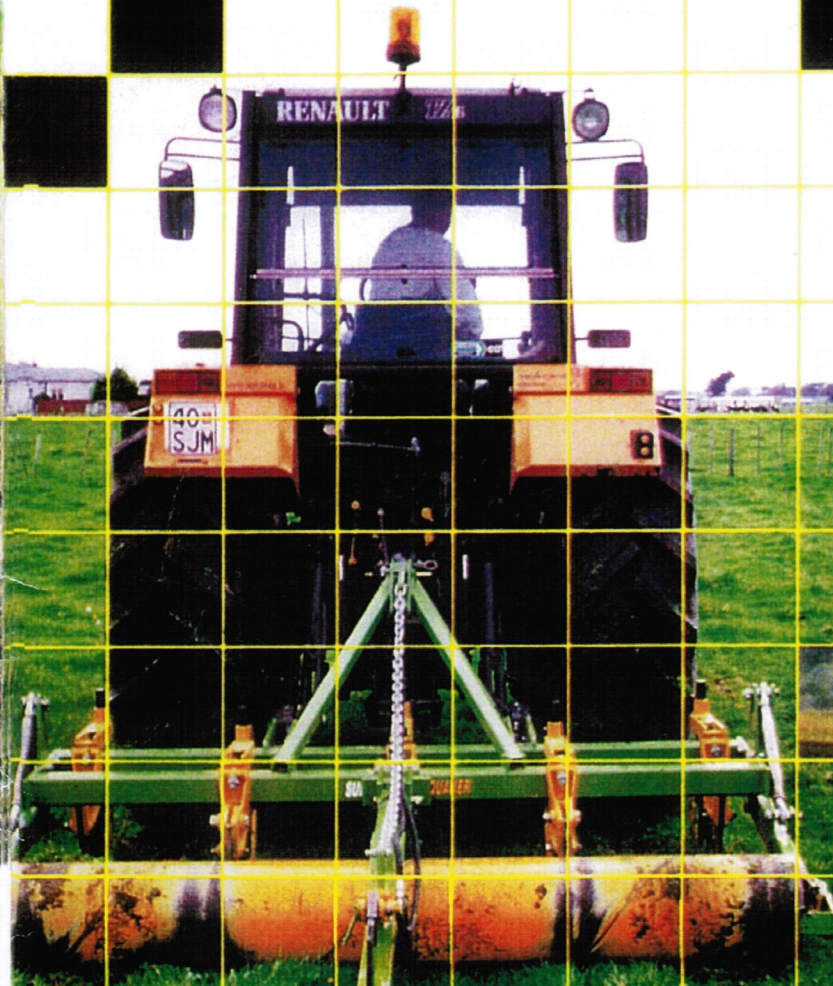


ATLHISON EARTHQUAKER

An Innovative Implement that relieves compaction, aerates, conditions and cultivates the soil; can function as a power harrow, disc chisel plow or harrow; can save fuel, time and fertiliser; and is an essential tool for all farmers who care for their greatest asset – *THE SOIL*.



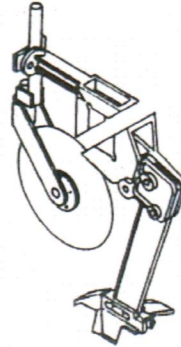
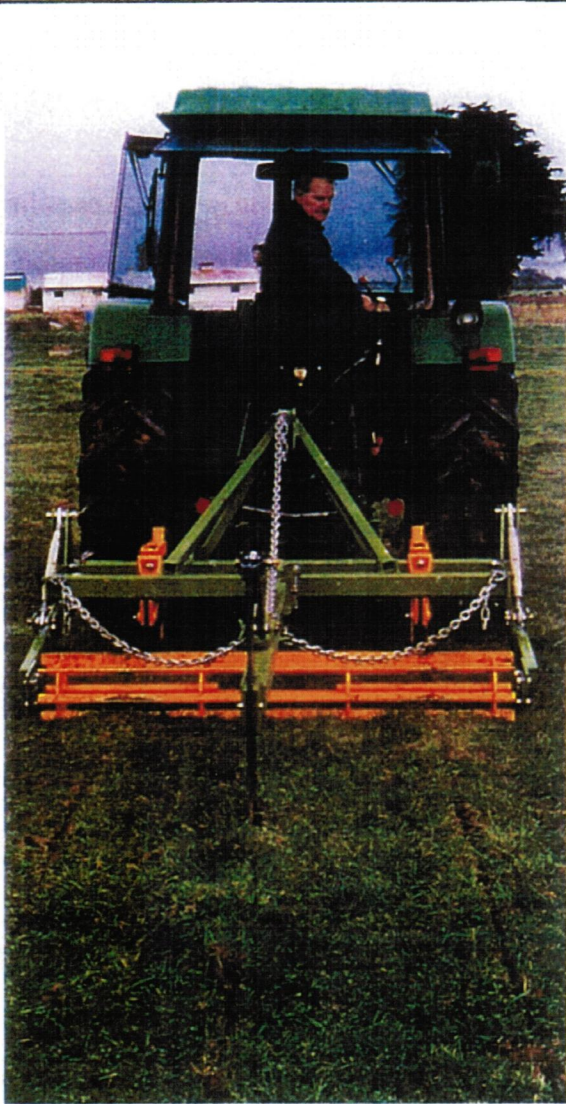
THE PROBLEM: SOIL COMPACTION

Soil compaction and poor drainage in both arable and grassland can dramatically effect production yields. Pressure from livestock grazing closes the soils natural pores causing soil density to increase. A barrier or "pan" builds up between 3" (76mm) and 12" (305mm) below the soil surface. This impenetrable layer restricts infiltration of rain water, limits the availability of oxygen in the soil and dramatically restricts root development.

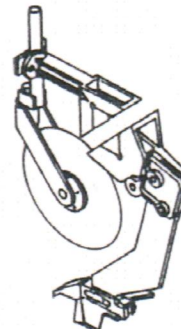
EARTHQUAKER PROVIDE

ADDING LIFE GIVING OXYGEN TO

New and Improved Earthquaker is designed to encourage oxygen penetration for optimum plant crackage aids excess sub-surface water percola productive and healthier soil.



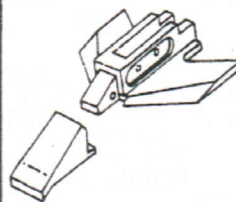
Straight Tine
and Disc



Parabolic Tine



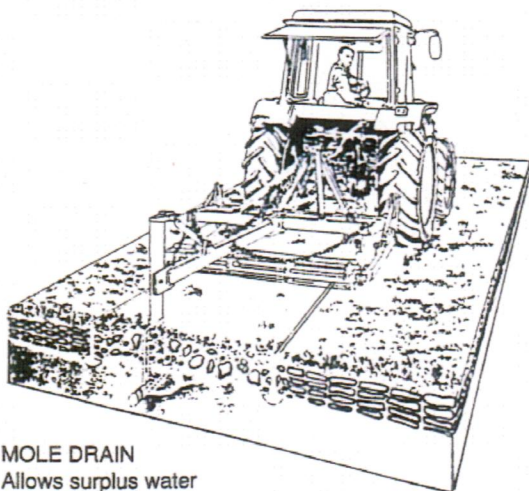
Webb Turf-shear



Point

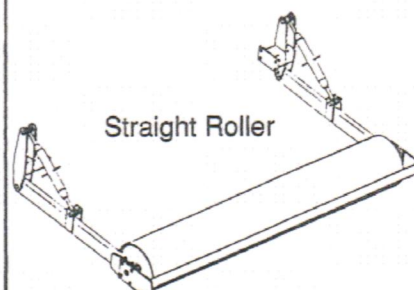


**AERATED AND
DECOMPACTED**



MOLE DRAIN
Allows surplus water
to exit from pasture

EARTHQUAKER TINES
Lift and shatter compacted
soil pan, aerate and move
surplus water to mole drain



Straight Roller



Result: Vigorous Plant Growth
Natural Soil Drainage



ES THE ANSWER

THE SOIL

re soil a "Lift" by fracturing stiff compacted soils, root development and micro-organism activity. Soil on and creates conditions conducive to a more

MULTI-SOIL AERATION & TILLAGE

Have you ever considered the extent of your soil working arsenal. Is all this equipment necessary and is it possible to do the job with less? To plough disc and rotary hoe requires a huge investment in implements. Aitchison's now offer an alternative option. Start with a toolbar with the width to suit tractor H.P. Next choose the tine option to suit the job. If it's aeration, there is two types of aeration tine or the Mole Plow. If it's cultivation, there is the Chisel Plow point, Crumbler Rollers and the Spring Tine Cultivator add-on. It's a sensible progression and it will cost you less!



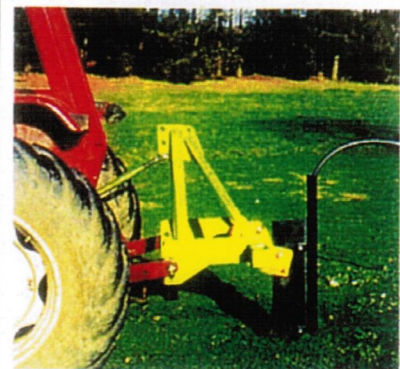
Chisel Plow with Crumbler Roller



Flexitine Option



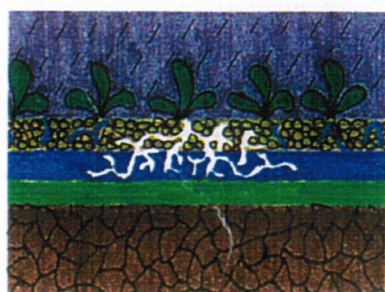
Chisel Plow Conversion



Pipe Layer



Shaker shatters pan
Aerator or Mole Plow



Pan waterlogs soil and
prevents subsurface drainage



Impervious soil pan
impedes root exploration



Vibrator Kitset

AN **AITCHISON** SOLUTION ONE PASS CULTIVATION?

**EZIPULL CHISEL PLOW COUPLED WITH CULTIVATOR
WORK RATE OF 7-10 ACRES (2.83-4.05 HA) PER HOUR**

- * Primary Tillage from Chisel Plow
- * Spring Tine Cultivator reduces soil particles
- * Crumbler Roller puts crumb on top, fines 50mm below surface
- * Result: One pass seed-bed preparation



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