AerWay®

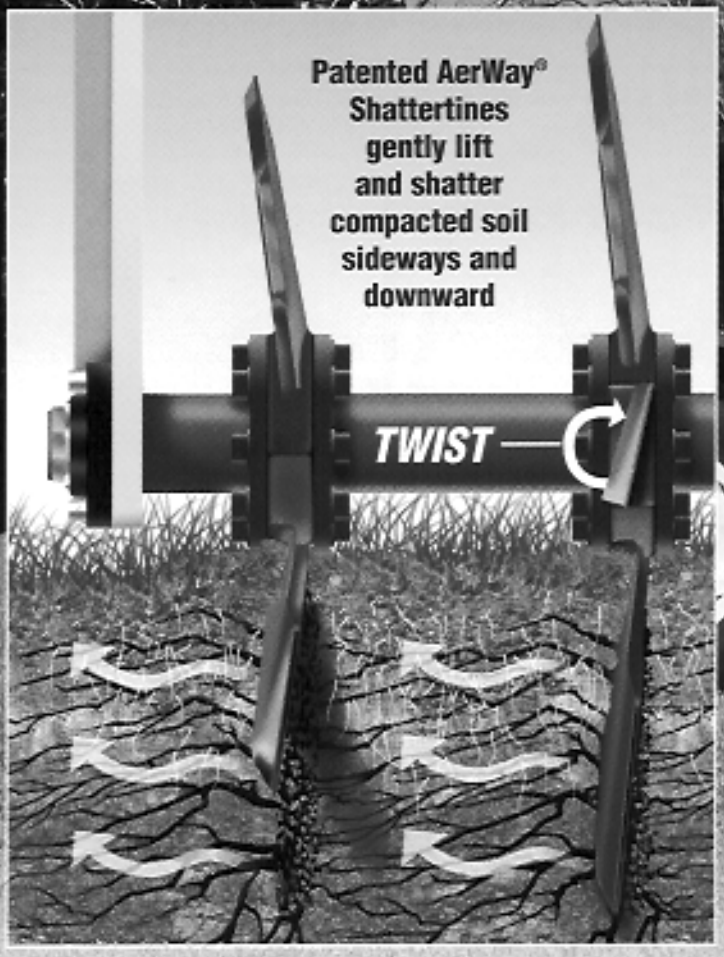
FOR PASTURE AND HAY

Only AerWay® makes it easy to increase yields and stocking rates without extra fertilizer.

Maximize your production with AerWay® Air-n-Till® technology

- Stronger roots, better yields
- Reduced runoff, increased moisture retention
- Better fertilizer utilization
- Even tough soils improve
- Little surface disruption

Over 12,000 cattlemen and hay producers trust AerWay® to improve soil productivity

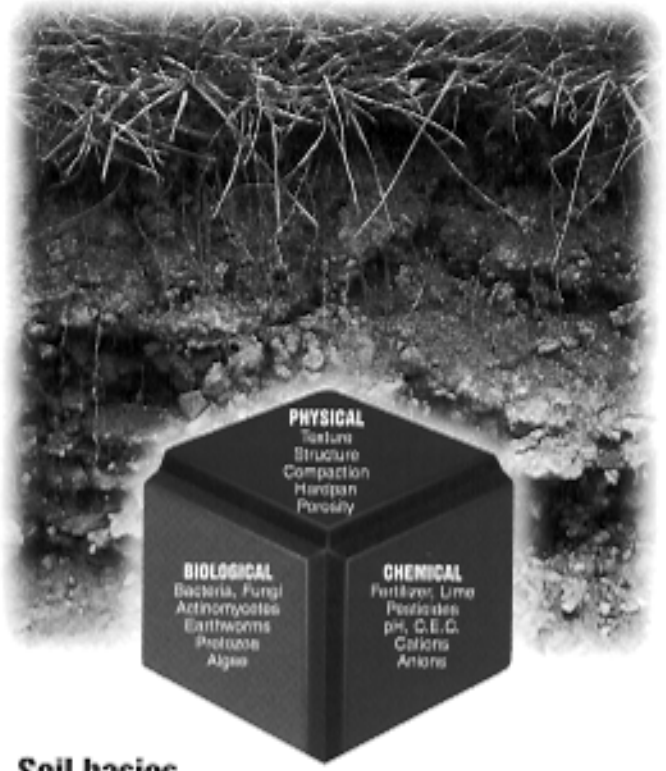


There's nothing else like AerWay®

Air-n-Till®: Aerate and till in one pass

Only patented AerWay® Shattertines lift and fracture tough soil to increase air and water movement. As the AerWay® moves over the surface, the unique angles of the AerWay® Shattertines crack and shatter compacted soil 8" and deeper to open new channels for air and water. Plants respond with stronger roots and better yields. Plus you'll see improved fertilizer utilization, reduced runoff, and greater soil moisture retention. See for yourself why thousands of cattlemen and hay producers agree - there's nothing else like AerWay.®

AerWay® goes to the heart of soil problems by relieving compaction



Soil basics

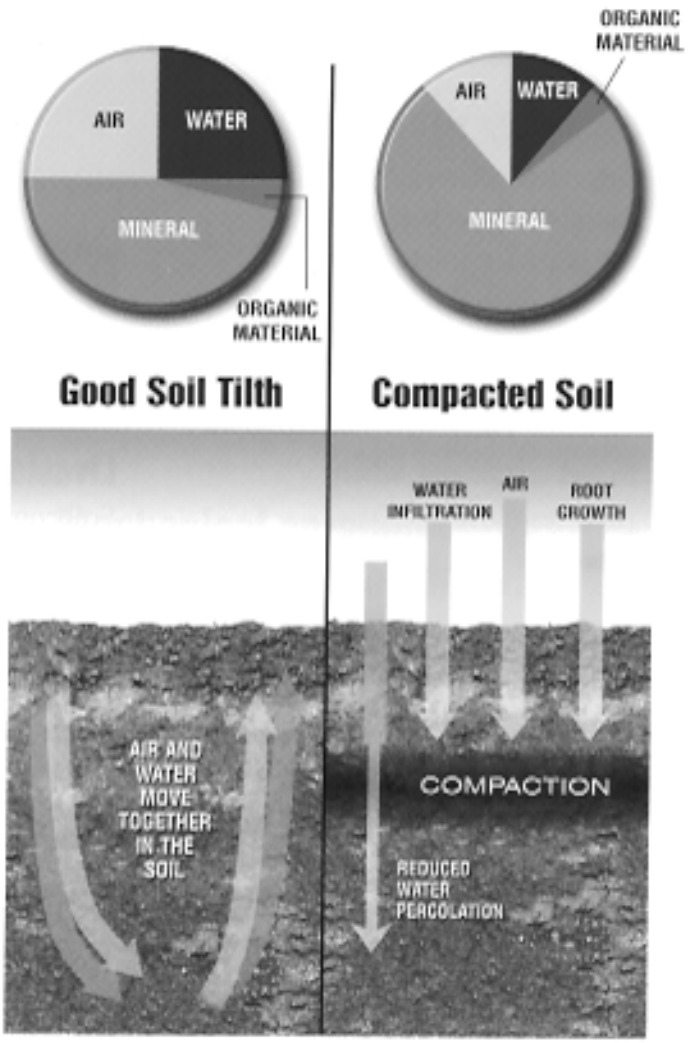
Three systems work together to make soil productive: physical, biological, and chemical. Soil scientists agree that the physical condition of soil is the key to efficient biological and chemical activity, which in turn determine how much plant life the soil can produce.

Soil tilth: Why compaction is the farmer's #1 enemy

Soil tilth is a measurement of the balance between basic soil elements: mineral, air, water, and organic matter. The proper balance of these elements increases soil production by allowing efficient interaction of all the soil systems. Air and water balance in the soil is the key to good root growth.

Compaction stresses plants because air and water are "squeezed" from the soil. Biological and chemical activities which depend on air and water become severely restricted. Root growth is impaired, crop production suffers.

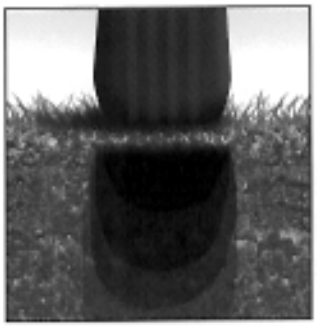
Compaction makes both wet and dry soil conditions more severe. It reduces the water holding capacity of soil which makes drought conditions worse, and inhibits drainage to make wet conditions more troublesome.



Air and water move together

Correcting compaction makes a dramatic improvement in soil tilth. It is the most basic step you can take to improve crop production. That's because air and water move together in the soil profile. With proper air / water balance in the soil, all the biological and chemical systems work at peak efficiency.

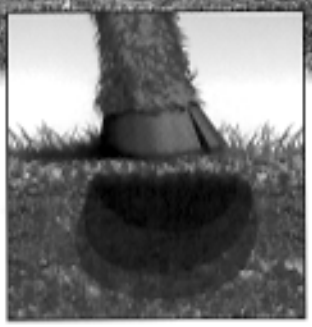
The causes and results of compaction



Equipment traffic

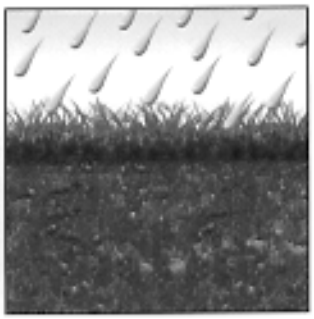
High traffic loads from equipment break down soil particles and forces them together, reducing the pore space needed for air and water movement. This effect is made worse in wet conditions, when particles move more freely.

Standing water is a visible sign of compaction



Livestock traffic

Soil compaction develops from repeated pressure from livestock traffic. While livestock can actually break up surface crusting, deep soil compaction layers develop over time if left untreated.



Rainfall

Heavy rainfall disturbs the smallest particles on the surface and forces them into pore spaces near the surface, creating layers of crust.

The bottom line is that relieving soil compaction is the first thing you should do to increase soil productivity. Compaction relief is the single most cost-effective method for boosting production.

Compaction can reduce yields by 50% or more

Compaction Develops

- Reduced pore space
- Increased bulk density
- Particles broken down
- Reduced gas exchange
- Limited nutrient movement
- Reduced water movement
- Reduced air content
- Slower root penetration
- Increased power needs

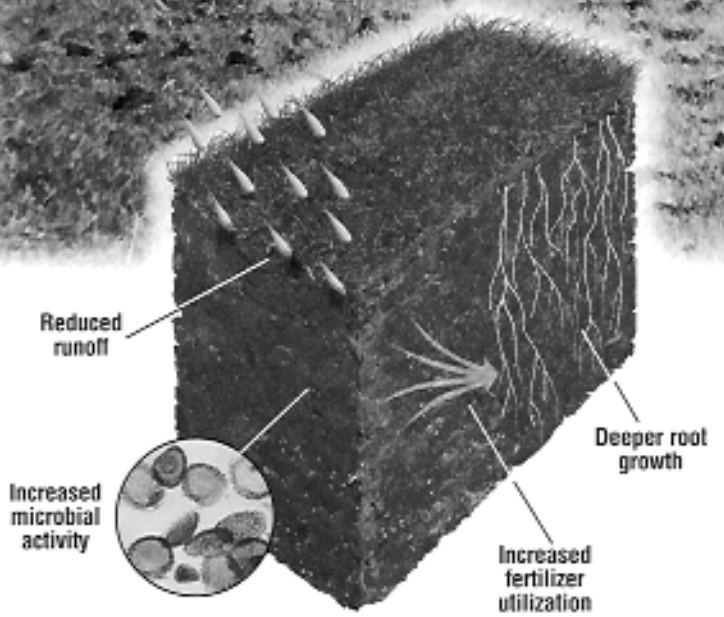
Soil Symptoms

- Reduced water infiltration
- Standing water and drainage problems
- Increased surface erosion
- Less root mass throughout the soil profile
- Larger equipment required leads to more soil compaction
- Reduced microbial activity
- Nutrient leaching

Plant Symptoms

- Slow crop emergence
- Uneven crop stands
- Short or stunted plants
- Leaf discoloration
- Shallow constricted roots
- Malformed roots
- Moisture stress

AerWay® allows soil to do what soil does best



Mechanical aeration with AerWay® is the answer

Since soil compaction is a physical problem, the best solution is mechanical aeration. The ideal type of aeration treatment is fast, efficient, cost effective, and easy to perform - just what you get with patented AerWay® Shattertine aeration.

Regular treatment with AerWay® can turn your soil around

Compaction Relieved

- Increased pore space
- Reduced bulk density
- Increased gas exchange
- Efficient nutrient movement
- Optimum water content
- Increased air content
- Deeper root penetration
- Reduced power needs

Soil Conditions

- Increased water infiltration
- Improved drainage
- Reduced erosion
- Greater root mass
- Increased microbial activity
- Less nutrient leaching
- Lower horsepower for tillage

Plant Response

- Vigorous crop emergence
- Even crop stands
- Well developed plants
- Deeper, healthier roots
- Increased root mass
- Better drought tolerance
- Improved disease resistance

AerWay® is your single most important pasture and hay implement

Simplicity, convenience, and versatility make AerWay® the preferred aeration tool for thousands of pasture and hay producers.

Here are some practical ways to make AerWay® your most important tool for pasture and hay production.

AerWay® gives you unmatched versatility

AerWay® implements include adjustable models that give you control of the degree of aggression. You can aerate, overseed, or renovate with the same AerWay® unit. Adjustment takes just seconds. A straight (0°) setting gives you aeration treatment with minimal disruption.

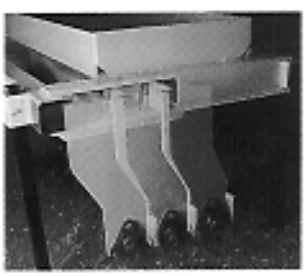
The maximum offset (10°) setting puts you in the renovation business. Settings in-between give you maximum control for the results you want.

When to use the AerWay®

The AerWay® should be used whenever compaction in the top 8" to 10" of the soil is identified as a barrier to achieving optimum pasture growth or hay production. AerWay® is also the ideal preparation tool for overseeding pastures and incorporating fertilizer.

Your local agronomist or extension agent should be able to assist you with methods to measure compaction and advise on the timing of AerWay® usage.

AerWay® Quick-Adjust models allow complete control of the type of soil treatment you want, from simple aeration, to overseeding, to renovation.



0° roller angle *5° roller angle* *10° roller angle*

The easiest way to improve soil conditions for pasture and hay production

Overseeding and renovating

AerWay® is the ideal implement for soil preparation for overseeding or renovating.

- For best results, set the unit to 2½° or 10° of offset, followed with a drag harrow.
- Seeding can be done either beforehand, or broadcast along with the AerWay® pass. The harrow ensures good seed-to-soil contact, and helps level the ground disturbed by AerWay® Shattertines.
- Always aerate when soil is dry enough for normal tillage. Do not try to aerate waterlogged soils.
- Aerate perpendicular to the normal traffic patterns.

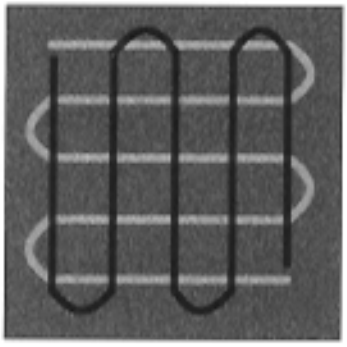
When to expect results

The aeration process directly affects root development both through loosening the soil and increased availability of air, water, and fertilizer. Results of a better, stronger root system will typically appear in subsequent year's production, however most AerWay® owners report noticeable results within a few months.

Following the AerWay® with a chain harrow is recommended for overseeding.

Be sure you have enough ballast weight to bury the tines to the hub.

Make sure the mast is completely vertical for maximum control of the tine angle.



Aerating at right angles to normal traffic patterns provides maximum benefits.

The C-Flex option is ideal for rocky soils.

The optional Transport Kit allows easy travel.

AerWay®

The world's best cattlemen and hay producers use AerWay®

AerWay® owners say...

"I've been using my AerWay® over 14 years now. The result is increased yields and evidence of lots of earthworm activity. My hay production increased by 25% on fields where I used the AerWay®. AerWay® is one of the most important pieces of equipment on my farm."

Milt Harman, Geneva, New York

"I would like to tell the world what an AerWay® can do. We cover about 2000 acres with ours. Over the 15 years I've owned the ranch I have spent close to $500,000 on dikes, ponds, and terracing to protect the land from runoff. If I had known what AerWay® does I could have saved most of the money. Anyone with a runoff erosion problem should buy an AerWay®."

Dallen Spendlove, Virgin, Utah

"The AerWay® has worked great for us by increasing moisture penetration and retention. In pastures where the AerWay® was used, you can see visual evidence of increased forage production, grazing intensity and grass color. We plan to use the AerWay® on all our country several times per year."

Bob Drake
Drake Farms, 1995 President, NCA
Davis, Oklahoma

"We have used the AerWay® for one full season. We are now doing our overseeding using the AerWay® instead of a drill. Our grass yields have increased by over 30%, with no more fertilizer. We would highly recommend the AerWay®."

Dennis Phillips
Statesville, North Carolina

Specifications

(See product literature for complete details)

SIZE	OVERALL WIDTH	WEIGHT (LBS.)	HORSEPOWER REQUIRED	CULTIVATED WIDTH
060S	6' 1"	790	25-45	5' 7"
060Q	6' 0"	1326	35-55	5' 7"
080H	8' 0"	1720	35-65	7' 7"
080Q	8' 2"	1720	40-80	7' 6"
100Q	10' 3"	2080	60-100	10' 0"
120Q	11' 7"	2380	75-120	11' 2"
150Q	15' 3"	3060	90-150	15' 0"
200Q	20' 4"	3725	120-200	20' 0"
250Q	25' 6"	9728	145-225	25' 2"
300Q	30' 6"	10,378	220-300	30' 0"

AerWay®

For the name of your nearest dealer call

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