



#### OUR 'FERTILITY-INJECTION' SYSTEM

Mounted directly behind each 22" shank on our Yeomans Keyline plow is a seedbox that makes it possible to drop seed directly into the rips created by the shanks. Whether it's a pasture grass or legume to boost feed value, a taprooted dynamic accumulator to mine fertility and build soil or a secondary crop maximizing the use of your field, this system provides a simple and effective means of making use of the fertile planing bed the plow creates.

Additionally, we're in the process of developing a liquid feed injection system. This simple tractor mounted system makes it possible to literally pour fertility directly into the subsoil rips via 1/8" tubing mounted behind the shanks. Liquid fertilizer amendment options include compost tea, sea minerals, skim milk and more. This simple system allows you to get even more out of each tractor pass.



#### OUR COLLECTIVE LEGACY

After centuries of neglect and destructive land use our global agricultural heritage rests in a precarious position. If we are to maintain healthy productive landscapes, it naturally follows that we must work not only to conserve what precious resources still remain, but actually improve them so that they may support for future generations. Healthy soil grows healthy food and in turn, healthy people. We hope to provide landowners with the necessary tools to begin to close the fertility cycle and build a vibrant, productive agricultural landscape that will support healthy cultures for generations to come. To us, what's important isn't selling a product or service but rather the tools and inspiration to build a truly sustainable culture. To learn more, please go ahead and contact us. We'd love to hear from you!

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KEYLINEVERMONT.COM - COMING SOON

# KEYLINE

## VERMONT



#### OUR MISSION

**Keyline Vermont's** mission is to provide and promote alternative, truly sustainable land management strategies focused on soil building practices, integrated agroforestry systems and passive irrigation systems. We work with farmers and landowners throughout the Northeast, providing keyline and permaculture design and consultation as well as contract subsoil plowing.



# Building Soil - Building a Future

## KEYLINE SUBSOIL PLOWING

Keyline Vermont proudly offers contract subsoil plowing services, using a three shank Yeomans Keyline plow direct from Australia. For nearly 40 years, Yeomans Plow Co. has been designing and producing what are known by some to be the 'Rolls Royce' of subsoil plows. Their machines have been used extensively throughout Australia to decompact and aerate degraded soils, improve soil moisture holding capability, and create a more hospitable environment for soil microbiology - the true soil builders. Numerous subsoiling implements already exist - so what makes the Yeomans plow stand out?

- Narrow shank profile - Yeomans cast iron shanks are roughly 3/4" thick which means less soil mixing and disturbance
- Low cutting angle - the foot of the Yeomans shank rests at a 25° angle, again minimizing surface disturbance & mixing
- Seed box attachments - Our Yeomans plow comes fitted with seed boxes directly over each shank so it's simple to plant directly into the rips as you go, reducing weed pressure and providing an ideal soil environment for crops.

## 'THE SOIL MAKER SUPREME'

In his pioneering work and research during the 60s and 70s, Australian P.A. Yeomans found that subsoil plowing coupled with well-timed pasture management could result in the rapid transformation of degraded subsoils into healthy, living topsoil. In fact, it's not uncommon to hear results of 12-18" of topsoil development in as little as three years. What's important to note here is that subsoil plowing, while a critical component of the soil building process, is only one half of the procedure. Just as critical is the subsequent

management of the land and what current research reveals is that the optimal management strategy for rapid soil building is management intensive/holistic high density grazing as plants reach optimal vegetative growth. While mowing has also been found to produce similar effects, the rapid nutrient cycling and animal impact of high density grazing is currently the most effective way to unlock the benefits of 'the Soil Maker Supreme'

Keyline Vermont works with expert grazing consultants who can provide advice on paddock and fence layouts, stocking density, timing and more.



## AGROFORESTRY SYSTEMS

At Keyline Vermont we work to bridge current agricultural boundaries and explore the potential for more diverse, productive agricultural systems. Therefore we offer the design and installation of agroforestry systems that complement working farmsteads and home sites, multi-functional shelterbelts and windbreaks to protect valuable plantings, and traditional coppice forestry systems for long term sustainable production of fuel wood, rot resistant pole wood, and craft use. To learn more, contact us at 802-999-2768 or [keylinevermont@gmail.com](mailto:keylinevermont@gmail.com)



## KEYLINE PATTERN CULTIVATION

*Keyline Pattern Cultivation refers to the application of natural patterning to the layout of fields, paddocks, fencing and treelines. This strategy employs a slightly off-contour approach, which, when coupled with keyline subsoil plowing, can effectively more evenly distribute water across the landscape - draining valleys and humidifying ridges. Contour layouts are recognized as providing a more natural, erosion-resistant land-use pattern, but generally result in uneven spacing of fencelines and field edges. Once the 'keyline' in the landscape has been established, all subsequent layout follows parallel, thus providing a much more management-friendly system. Keyline Vermont is happy to discuss the benefits and appropriateness of keyline patterning on your property.*