



Before buying any equipment....new or used

- Affordability
- "will the purchase price plus cost of operating, maintaining and repairing the item yield a net profit?"
- Compatibility
- Will the item fit into your present complement of equipment resources...will it serve multiple purposes...will it fit into what you anticipate your operation looking like in a few years?
- Dependability
- If used equipment....will you have the time and expertise to maintain and repair the item?



Before Investing in Land Resources....

- · Do you already have it?
- Are you looking to find it?
- Do you have to own it?



Soil resources

- · Understand what you have have to work with...
- · Finding great soil resources is not easy
- What else do you need besides good soils?
- Farm infrastructure....your investment may not be worth what you can sell it for...



Soil Survey

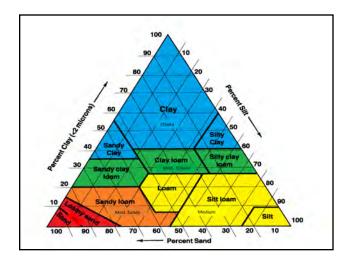
- USDA soil surveys characterize soil types
- Provide gross evaluations of "quality" and suitability for certain land based activities.
- Web soil survey USDA/NRCS
- http://casoilresource.lawr.ucdavis.edu/gmap/

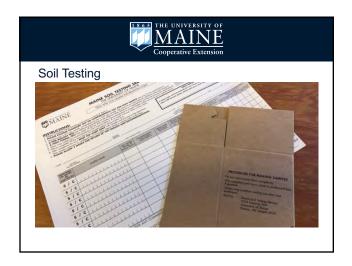




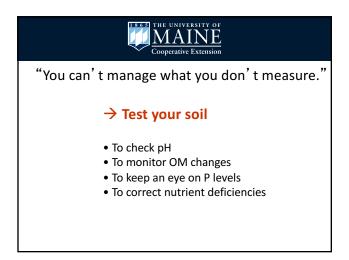
Easy soil maps...

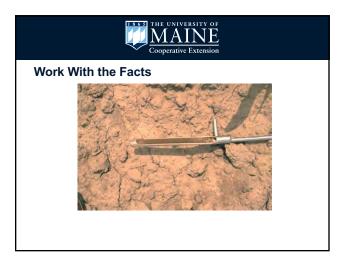
• https://casoilresource.lawr.ucdavis.edu/gmap/

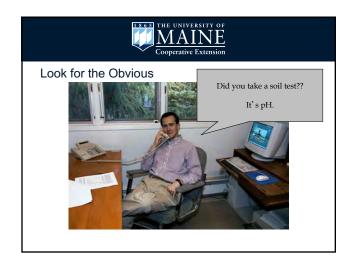


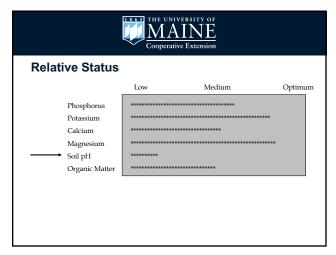


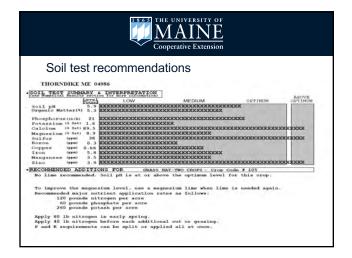




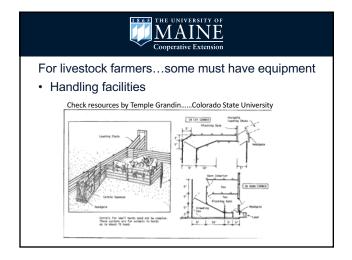




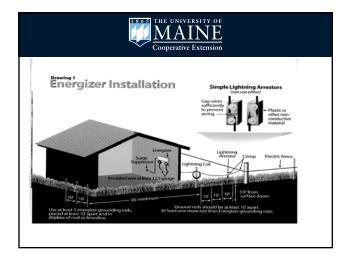


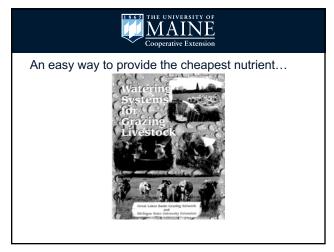














What about livestock shelter...

- · Depends on species
- If using minimal shelter, learn Body Condition Scoring (BCS) for evaluating animal well being.
- Wet, muddy animals are the ones under the most stress....













- What "must have" vegetable producers...
- · Vegetable processing and storage facilities
- --increasingly more important as food safety regulations increase
- --Wash stations...places where you and your produce can get clean and you don't mind being wet
- --Facilities for vegetable handlers to meet sanitary requirements
- --Cooling and storage...

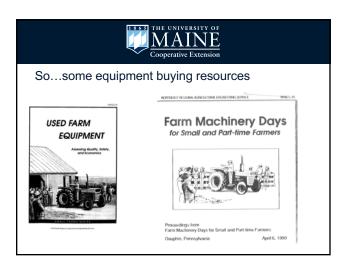






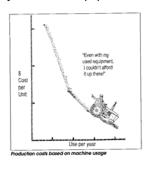






Matching the job with the equipment

- important to match the tractor with the implement you will use -- Engine
- horsepower rating
- --lift capacity --category of 3 Point hitch
- --Hydraulic power



Sometimes it may be beneficial to hire some work done instead of buying large equipment that you may only use for short periods

So should you buy, rent or lease equipment?

- · Rent ...pros?
- --lots of equipment rental options available to growers for "one time" or short duration use
- --maintenance costs are minimal
- --no worries about lots of investment tied up in iron that sits for long periods of time
- Cons...
- -- Transportation to your farm
- --Availability when you need it for small job
- --Not always the "perfect" fit for the job.

Buy or lease?

- Buying
- --what might you need to borrow \$\$\$?
- --lots of new "dealer incentives"
- Lease
- --usually similar to leasing a car
- --little or no down payment
- --terms are usually influenced by the useful life of the equipment and predicted hours of use
- --helps with cash flow for new operations
- --doesn't disturb existing loan agreements



When should you choose to purchase?

- · When you need the equipment frequently
- · When timing is critical
- · When supply for rental units is limited or in poor condition





So you decide to purchase....used or new?

- · Used equipment...like a used car
- --understand the risks and warning signs
- --hours=miles
- --parts and service availability
- --safety equipment---ROPS (Roll Over Protection Structure)
- --learn all the functions...loader, remote hydraulics, 3 Point Hitch (category 1,2,3?), PTO requirements...and more
- --who will be operating the equipment?



New or used...

- · How important is reliability?
- · What is your ability to make repairs?
- Does the used tractor have the features you really need or are you making a compromise for cost savings?
- Sometimes older tractors have features that new ones don't!



Used tractors and equipment –things to consider

- · Look for leaks and welds
- Understand the safety risks with older tractors
- Don't undervalue the need for a good loader
- Private sale vs equipment dealer
- · Tractors...gas vs diesel
- Look at the owners manual..are service records available?

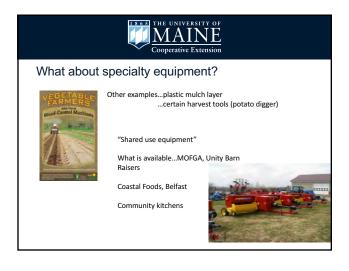


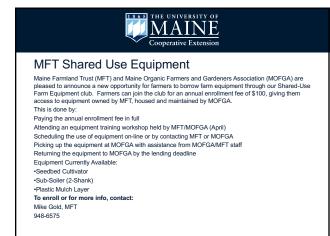


Spotting cover-ups

- New paint
- Glitz...why are there lots of new parts?
- III fitted components
- "just overhauled"
- · Look at the fluids
- Run it and drive it—Have someone else drive it and watch



























Thank you!

- An evaluation of the course will be coming to you in the next few weeks
- Please watch for emails and take the time to give us your feedback about the course delivery methods and the course content.
- Have a great Spring!