AG FOCUS



2020 NY Corn & Soybean Growers Association Yield Contest Winners by Mike Stanyard

The annual NYS corn and soybean yield contests are sponsored by the New York Corn & Soybean Growers Association. Congratulations to our 2020 NY Corn Champion, Henry Everman from Livingston County with a winning yield of 298.95 bu/a. Our NY Soybean Champion, Pit Farms Inc., from Wayne County, had a winning yield of 91.22 bu/a. They win all expense paid trips to the 2022 Commodity Classic in New Orleans since this year's Classic went virtual. Listed below are state contest winners and West and Finger Lakes regional winners. The Central, North and East regional corn and soybean winners as well as all contestants, can be found on the NY Corn & Soybean Growers Association webpage at https://nycornsoy.org/wp-content/uploads/2021/02/2020-Winners-All-Yields.pdf. The awards are normally presented at the NY Corn and Soybean Growers Winter Expo in January but had to be canceled this year. My annual yield contest presentation that would have been given that day, can be found right under the yield contest results. There were no national corn yield winners from NY this year but the results of the National Corn Contest and NY entries can be found here, https://www.ncga.com/get-involved/ national-corn-yield-contest. I'm looking forward to another great yield contest in 2021!

2020 NY Corn and Soybean New York State and Regional Winners Sponsored by the NY Corn and Soybean Growers Association

Rank		Entrant Name	Town	County	Brand	Number	Yield (bu/a)	
Corn Co	ntes	t NY State Winners						
1		Henry Everman	Dansville	Livingston	FS InVision	FS6202V	298.95	
2		Tyler Curtin	Cassville	Oneida	LG Seeds	LG5465VT2	288.47	
3		Bruce Naas	Oakfield	Genesee	Croplan	CP4188VT2	287.44	
West Regional Winners								
1		Henry Everman	Dansville	Livingston	FS InVision	FS6202V	298.95	
2		Bruce Naas	Oakfield	Genesee	Croplan	CP4188VT2	287.44	
3		Jake Hartway	Albion	Orleans	LG Seeds	LG5525VT2	282.22	
Finger La	kes	Regional Winners						
1		Eric Lyon	Lyons	Wayne	Pioneer	P0306AM	268.12	
2		Freier Farms	Fayette	Seneca	Pioneer	P0414AM	227.98	
3		Freier Farms	Fayette	Seneca	Pioneer	P0414AM	226.78	
Soybean Contest NY State Winners								
1		Pit Farms Inc.	Clyde	Wayne	Seedway	SG 2055XT	91.22	
2		Ryan Swede	Pavilion	Wyoming	Asgrow	AG26X8	89.93	
3		Scott Swartz	Castleton	Renssalaer	Seedway	SG 2055XT	88.79	
West Re	gior	nal Winners						
Group	0	* No final entries in this maturity group						
	1	Jim Starowitz	Byron	Genesee	Asgrow	AG14X8	82.02	
	2	Ryan Swede	Pavilion	Wyoming	Asgrow	AG26X8	89.93	
	3	Todd Roberts	Medina	Orleans	Pioneer	P33A24X	81.92	
Finger La	Finger Lakes Regional Winners							
Group	0	* No final entries in this maturity group						
	1	Ethan Humbert	Clyde	Wayne	Seedway	SG 1863XT	78.23	
	2	Pit Farms Inc.	Clyde	Wayne	Seedway	SG 2055XT	91.22	
	3	Emory Oese-Siegal	Waterloo	Seneca	Chemgro	3751RXS	68.98	

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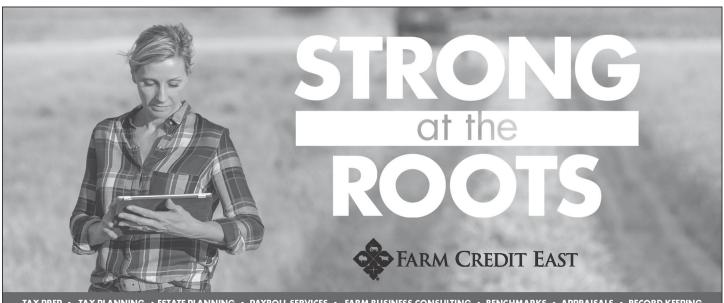
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Utility Scale Solar - What you should know: Part 2

by Timothy X. Terry, Farm Strategic Planning Specialist - Pro-Dairy



Negotiating

Some of us are good at animal husbandry, others are good at crop production, and still others excel at ag engineering. It's a rarity, however, that any have successfully negotiated a commercial agreement as intricate as a solar lease. This is why you need to secure professional legal help. Start with your own attorney. If they're not comfortable with it ask them who'd they least like to go up against in court. Look for someone experienced with real estate contracts, land acquisition, or better yet, oil and gas leases.

Even though your attorney may do all the talking there are some things you need to know or at least consider:

1. Understand your bargaining position - They have to have the land, and until you sign an agreement you have all the leverage. Unfortunately, you have little or none after signing so get it up front. It's best to think about this in the long term – not just the immediate benefit.

The lease will often be presented with a sense of urgency, perhaps even as a crisis. This is nothing more than a marketing technique. Landmen / leasing agents want to make the sale. The first offer is not their best offer. (Negotiation 101 – Never begin a negotiation from a point you can't immediately abandon.) Ask yourself, "Is this the only offer I will get?" "If one developer is interested will there be others?" "Can I walk away?" "Which terms are flexible, which are not?" Offers may range from X to 10X and is likely due to the number of middle men the lease may have to go through. Proximity to existing infrastructure – high voltage power lines, substations, facilities to be built – may also be a factor. Cost to construct a substation is considerable, so if you're located less than two miles from one your site may garner a premium.

You may be thinking, "Why don't I just develop this myself?" According to the Pennsylvania Dept. of Environmental Protection a solar array requires an average investment of \$1.13M per megawatt for utility scale solar. Think about that for a minute.

There is a deadline and offers do get retracted, so be deliberate but don't dawdle.

2. Determine what you want and/or what you want to prevent. Do this before seeing your attorney as it will help them help you. Think: What will this look like when

it's operational and over the next 40 years? What's important to me? Thought through the finances? What will and won't you allow? Do you want to protect natural structures — pond, lakes, creeks, etc.? Are there places you don't want solar panels and /or ROW's? Do you want to grow or do something under or between the rows of panels? Every property is unique. Describe specifically what you want to go into the option.

Many leases don't specifically state 40 - 50 years, instead they are written for 10 or 20 years plus a series of 5 year options.

Option period payments tend to be small because it's a period of highest risk for the developer. Can you get more money? Try bargaining for more money or less time to develop – real money is when it's operational.

Critical in any long term leasing agreement is to build in an escalator – dollars have to keep pace with inflation. What initially looked like the gravy train could, over time, only buy you a cup of coffee. Use the government inflation statistics as the escalator. This is typical of commercial rental agreements so you shouldn't get any pushback from the developer.

- 3. Don't assume you can do things that are not written in the lease agreement. Include in the initial negotiation or via addendum. The guy who sits down on the back deck and tells you all the nice money you're going to make and what a wonderful person you are and how this is going to be a great thing -- once you sign the lease you'll never see him again. Instead, you'll be dealing with someone who has the company's best interest in mind and, quite possibly, an attitude, too. It doesn't matter if it wasn't written down. It is a bitter pill to swallow, but realize that while you still own the land you won't be able to use the land. The chain link fence and barbed wire sends the message that no one, not even the landowner, is welcome in there. Grazing cattle, growing crops, setbacks, even placement of panels and control units need to be delineated up front. You will need to specify continued access to the back 40, pastures, water sources, or the secret fishing hole.
- **4.** Understand the duration of the lease. Basic math here: Option + Construction + Operations + Renewals =

(Continued on page 6)

(Continued from page 5)

Duration of the Lease. The option period may be as long as 4-5 years with very little money coming in. There is usually little or no breakdown of the various categories in the lease except maybe renewals. Options periods range from 30 – 60 months, and it may be in your best interest to push for lower – the sooner they start paying you the real money the better. A Memorandum of Lease document will be recorded on your deed in courthouse.

- 5. The option agreement is their option not your option. They can pull out at any time so don't spend the lease money before you have it. However, don't think you're going to get out of it if you change your mind. Depending on how it's written, by signing the option agreement you are also signing the lease agreement this is where your attorney earns his/her keep. You may not have your land developed after you sign a lease. You can't get out of it or amend it after you sign. They may option all of your land, but only use a portion of it. You may be able to push this with the solar company, i.e. they have to use a minimum percentage or release the remaining acreage.
- **6. Know how to modify your lease**. Step 1 find an attorney (see #1) Legal contracts require legal help. Answer the long term questions upfront. Get what you want in writing before signing the lease as changes are not possible afterward. Shorten the option period and/or increase the option money. You may unknowingly be agreeing to a Warranty of Title thereby indemnifying the solar company. As landowner you are guaranteeing that you have perfect, blemish free ownership of the property, but that is not usually the case as there may be other leases, originated generations ago, that are still in effect today, such as utility ROW's, conservation easements, FSA/NRCS administered programs, subsurface rights (oil, gas), etc. There may be some long hidden environmental hazards that come to light during installation. If you indemnify the solar company you are essentially giving them a blank check. Curtail this as much as possible. Lease offers usually have some flexibility.
- 7. Be clear on when, where, and how you will be paid. After you've done your due diligence and have settled on an offer be clear that you are not giving them anything for free. Even water used for cleaning and maintaining the panels. Get paid for any access they will be restricting. Getting paid for ALL acres used including access and ROW's not just the solar field itself. Be sure that they will maintain any ROW's - keeping brush and noxious weeds trimmed. You'll want the payment terms to be clear and concise. There are many different arrangements on the options. Sometimes payment is upfront, sometimes there is a modest upfront plus annual payments. You need to specify defined dates, i.e. - "Need to have a check for this amount on this date or solar company is in default." Define what happens if payment(s) are missed are you free and clear from the lease, how will back payments be recouped?
- 8. Things that are written count, things that are spoken

- don't. Once you sign the option you will never see the landman that originated the lease option again. You will likely be dealing with an entirely different person and/or entity, or even their attorneys. Avoid falling for "that doesn't need to be in there", or "Everybody knows that's ok" statements. Get all the promises in writing. If it's important to you it has to be in the agreement. Even down to minute details such as herbicide use especially on an organic operation. These leases are so new there is no track record and procedures have not been standardized. Define who, when, and how the site will be maintained. What happens if a water line or drain tile is cut during construction who pays? How will it be repaired? There may be shared farm lanes, but who will maintain them? Get it in writing!
- 9. Things your neighbors may not like. Fences limit hunting. Arrays may detract from their views. Local zoning may exercise some limitations. You may have already leased out part of that land for another ag enterprise, this should be recorded on the lease. What will happen to these things following construction? For instance, will the array interfere with maple sap harvesting? Will part of the sugarbush be removed to accommodate the array? Will there be light intrusions from security lights? How will the grounds around the facility be maintained vis-àvis weeds, grass, litter caught in the security fence, etc? What visual screening will be provided around the site? The last thing you need is to be regarded as a slum-lord and/or someone who sold out the charm of the community for a few bucks.
- **10.** Not all info on the internet is good info. Some is very good, some is conspiratorial, most is somewhere in between.

Parting Thoughts

Site plans may/ may not be required. These are usually not a condition of the option but may be required for the lease.

Decommissioning and land recovery – bargain for the maximum amount of clean-up and removal, and remedies if they don't. This is often addressed by a performance bond secured at, or prior to, signing of the agreement.

Determine the remedies and disposition of the lease if the solar company is liquidated. You don't want or need the responsibility of remediating the site. Sure, much of the galvanized steel structure may look pretty appealing, but the panels may be considered hazardous waste requiring special disposal and a hefty tipping fee. Plus it needs to be properly disconnected from the grid.

This may affect Land Trust easements and/or any "clean and green" status. Often if 50% or more of the power generated is used internally it is not a problem, however, this is not likely for an industrial sized project. Any roll back taxes should fall to developer.

As stated earlier, securing legal services is a must not an option. Figure on 10-12 billable hours, or more, depending on how complex the lease may be.

Making Tiestalls More Comfortable: Part 2 by Margaret Quaassdorff

In a recent presentation, Dr. Nigel Cook of the Dairyland Initiative at the University of Wisconsin-Madison, spoke about the future challenges of dairy cattle welfare. He said that one of the trends is that tiestall housed herds will be placed under increasing scrutiny to ensure the highest standards of comfort. This points to there being more pressure for farmers to improve cow comfort via stall cushioning, and natural movement and behaviors.

Data shows that 39% of US dairy farms are tiestall housed, and that those tiestall farms tend to be older farms with older facilities. Surveys show that many of these farms have invested little to improve cow comfort, citing high dollar investment per stall as a major barrier. A separate survey completed in 2018 by dairy specialists with Cornell Cooperative Extension, looked at incidence of lameness on 22 of New York's tiestall farms. They found that on average, incidences of severe lameness were below the 5% of herd cutoff permitted by the National FARM (Farmers Assuring Responsible Management) program. This is good news, but the survey also found that severe hock injuries averaged 7.4% with a range of 0 to 22.5% of cows in a herd. Much of the reasoning behind this higher incidence of hock injury was tiestall design.

In 2008, a Canadian research group led by Neil Anderson put together guidelines for new tiestall designs and updates, that have contributed to the promotion of improved welfare, and which can be found here: http:// www.omafra.gov.on.ca/english/livestock/dairy/facts/ tiestalldim.htm. Stall design is a balance between optimizing lying time and reducing injury, while maintaining stall cleanliness and cow hygiene. According to guidelines, tiestalls should be greater than 2x cow hip width, and the wider stalls are associated with increased lying time, reduced neck injuries, and less lameness. Additional support for this claim is found in a recently published article by Boyer et al. in 2020 (https://doi.org/10.3168/jds.2019-17667) where cows housed in either single (54 inches wide) or double (111 inches wide) stalls. Cows in the larger stalls spread out more, and rested in a more natural position compared to cows in typical stalls. They also noticed during lying-down movements, cows in larger stalls contacted the stall hardware 43.1% of the time vs. cows single stalls who contacted more than 75% of the time. Though total lying time was not statistically different, the authors concluded that increasing stall width beyond the current recommendation is likely to benefit the cows by improving their ability to rest. Removing a loop between stalls may not be feasible for a barn filled to current capacity, but it is worth it to think about what the true capacity of our tiestall barns are, as cows have been bred

to be bigger over time, and how welfare standards are being raised to accommodate cow comfort.

The comfort of the stall bed in tiestalls is affected by the material components of the stall base and bedding, as well as the amount of space provided. Tiestall beds should be greater than 1.2x cow rump height, and longer stalls are associated with increased lying time and reduced knee injuries. Cows in long stalls spend more time lying (14.1 vs 13.3 hours/day) and have longer lying bouts than cows in short stalls (74.1 vs 52.9 minutes/bout). In addition, higher lying times are comparable to those reported in deep-bedded loose housing setups, indicating that cows with more bedding, especially in longer stalls, are more comfortable (McPherson et al., 2020; https://doi.org/10.3168/jds.2019-17668). This data provides a solution to farms who may be limited in their ability to purchase new tiestall mattresses or other installed stall cushioning, as this study shows you can achieve similar cow comfort benefits by adding more bedding.

In addition, from his presentation Dr. Cook believes that if tiestalls are going to remain viable in within our industry, two to six hours per day of untethered exercise will likely be required. This may be accomplished via a loafing yard, pasture, roofed exercise lot, etc. Dr. Cook ended his segment on the current and future challenges of dairy cattle welfare with a slogan that I liked: "Get into the continuous improvement business, not the excuse business." In my opinion, this will help farmers stay ahead of the game as the dairy industry faces a changing future. All in all, research shows that there are economical practices and changes that farmers who own tiestall dairies can implement to improve welfare and profitability. The question is, where will you start on your dairy?



Tiestall housing representative of current recommendations allowing increased cow comfort and ability to perform natural behaviors. Photo: Dairyland Initiative, University of Wisconsin-Madison

Joe is Dairy One's Agronomy Services Manager. He manages a team of 11 Agronomy Services Technicians who service farms across New York and Vermont.

Joe knows that high quality data is key to making informed cropping decisions. He trains every technician to deliver thorough, professional service. Joe is always looking for ways he and his team can better service the farms and consultants they scout, sample, and map for. Joe believes in farming, and so do we.



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Frost Seeding Time is Here! by Nancy Glazier

Though there is snow on the ground, the sunshine today (2/12) makes me think spring is right around the corner. March is usually a great time to add some legumes by frost seeding into your pastures, hayfields, or winter small grains. It is a way to improve grasses without losing a production year. It is also an excellent way to add legumes back if you used a broadleaf weed control last growing season. Added legumes will boost production and fill in thin patches or bare spots; they will provide needed nitrogen to the grasses already growing and provide protein for the livestock. Little or no tillage is involved which reduces the potential for soil erosion.

Hopefully, you did your homework last fall by checking the forage quantity, types, and groundcover. If not, take a walk after the snow melts to see if you need some light dragging or disking to open up the vegetation a bit. For frost seeding to be successful seed-to-soil contact is critical. What works with this technique is the freeze-thaw process in late winter/early spring. This action tends to work better on heavier soils as they are more likely to crack or form the 'honeycombs'. As the days get above freezing and nights below freezing, this action works the seeds down into the soil in preparation for germination. Spreading seed on frozen ground reduces the potential to rut up the pasture or field. This can be done best early morning or possibly late in the day.

Legumes work best for frost seeding due to the shape of their seeds and will germinate under cool conditions. Success will vary farm to farm, but clovers will establish better, specifically red clovers. They are more tolerant of low pH and low fertility but are shorter-lived in pastures. A way to overcome that would be to routinely frost seed half your pastures every year, alternating fields. It can be an inexpensive improvement.

Suggested rates are below. The price of seed is relatively low, so don't skimp. Make sure you use inoculated seed or purchase the correct inoculum.

Lbs/Ac Red Clover - 6 to 10 Ladino Clover - 2 to 4 Birdsfoot Trefoil - 5 to 8

Equipment for frost seeding can be as small or as big as needed. The size of the pasture or field will dictate what is needed, unless you have time and the desire to walk a large field with a small cyclone spreader. A broadcaster can be mounted on the back of an ATV or small tractor.

If a soil test report shows phosphorous or potassium is needed wait until late summer. Fertilization will help seedlings get established and ready for winter.

Sometimes overgrazing or continuously grazing will leave

bare or thin spots or kill the existing legumes. Frost seedings can be done to improve the stand, but this will only be a short-term fix. Rotational grazing is the best way to improve a stand for the long term. Frost seeding will return legumes to the pastures; dividing the pasture into at least four paddocks will provide forages time to rest and regrow through the growing season. Grazing needs to be carefully managed early season to prevent damage to the tender seedlings yet allow light to reach them.

Who can predict what this spring will be like? Dry spring conditions will discourage seed germination. Unfortunately, there is no way to control this. With the seed in place, there is a chance that it will germinate and grow when sufficient moisture is there.



This is what soil 'honeycomb' looks like, ready for frost seeding. Photo: N. Glazier /CCE NWNY Team



Plant Sap Analysis by Jodi Putman

Interest in Plant Sap analysis as a crop diagnostic tool for optimizing plant nutrition relative to physiological maturity has increased. Through the adoption and use of precision agriculture technologies, farmers can match, and strategically apply fertilizer in site-specific field conditions. Recent increases in fertilizer prices per ton make it more important for accurate nutrient management. The information provided through Plant Sap analysis creates the opportunity to enhance the efficiency of production and fertilizer usage, ensuring precise and timely nutrient management throughout the growing season.

Soil sampling and tissue analysis have been considered the most efficient way to analyze the nutritional needs of our crops for years. Results, however, take a long time, the information can be confusing, overwhelming, and often has little correlation with the results of field and production yields.

After doing some homework, I decided to call NEWAGE LABORATORIES out of South Haven, Michigan to get a better understanding of what a Plant Sap Analysis can do. According to NEWAGE LABORATORIES, all soil sampling and tissue analysis issues can potentially be addressed by Plant Sap Analysis. It will help keep growers on top of their crop nutritional status throughout the growing season and get them the crop production they want. Plant

Sap Analysis features a broad spectrum data set that evaluates the nutrient interactions that benefit or hinder their crop yield. Most importantly, Plant Sap Analyses can

provide data weeks before they show up in the field or tissue analysis, giving a grower time to prevent problems before it damages crop yield. This ensures that by balancing nutrient applications, growers can maximize their return on investment, providing optimal crop production with information only Plant Sap Analysis can provide. In light of this information, the NWNY Team



Plant sap extracts at the New Age Laboratories. Photo: New Age

will be looking for funding to conduct some preliminary work on the use of Plant Sap Analysis for balancing plant nutrition throughout a growing season.

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and



CASE, HYUNDAI, IR, 2007 PETERBILT 357 CRANE TRUCK; 430 HP CAT C13; 8LL Manual Trans.; Double Frame; Terex BT4792 23.5 Ton/ 92° Reach Crane w/4-Outriggers; 36° Bunk; 18° Steel Deck; OK Front; 40K R/4. Steerable Lift Axie; 216° WB; 105,127 Miles; 3lx #6298 - \$71,900 CAT, KOMATSU,



2013 WESTERN STAR 4700 GARBAGE PACKER TRUCK, Cummins 335 HP; Allison Automatic Trans; Double Frame; w/Pend-Pac 30 Cu, Yd. L/H Side Load Body; 205 FrA; 46K Locking Rears; AirLiner Susy; ECM Stows 120,336 Miles; 11,704 Hours; Will Separate packer From Chassis; 20′6° Frame Behind Cab; 164° CT; 132,840 Miles; Stx. #6290 - \$49,900



2011 KENWORTH T800 WATER TANKER TRUCK; Cummins 425 HP. w/4,226 Galton Advance Steel Tank and Pump; 250° WB; 16K Front Aske; 48K Full Locking Rears on Hendrickson Air Ride; 4.30 Ratio; WW WII Separate the Tank from the Chassis; 21° Tanne Behind Cab; 172° CT; 48,978 Miles; Sik. # 6354 - \$58,000



凾 2007 PETERBILT 357; 475 HP CAT C15; 18-Spd Manual; Clean Daycab w/Tulsa Winch; 20K F/A; 46K Full Locking Rears; Chalmers Susp.; 224" WB; 496,503 Miles; Stk. #6241 - \$39,900 tc. TRUCKS



2003 KENWORTH T800; 475 HP CAT C15 6NZ Turbo; 8LL Manual Trans; Clean Daycab w/12,800# Front AXIe; 46K Rears On KW 8-Bag Air Ride; 4.11 Ratio; 186° WB; Weltine; 447,898 Miles; Stk. #5925 - \$49,900

TRUCKS

Etc.

PET

FREIGHTLINER,

BUY MACK.



2004 & 2003 PETERBILT 378 TRI-AXLE DUMP TRUCKS; 475 HP CAT C15 Single Turbo; 18-Spd. Manual; 20K F/A; 44K R/A; Air Trac Susp.; Double Frame; 21' Aluminum Box; Airāft Tag; 540,000 Miles; Stk. #6345/6346 - CALL FOR PRICE



1999 MACK RD688S DUMP TRUCK; 400 HP Mack E7; Engine Brake; 8LL Trans; Rubber Block Susp.; Tri-Axle; 19 'Steel Body; 20,000# F/A; 46,000# R/A; 22.5 Tires; 246' WB; Spoke Wheels; EXPORT PRICEDI!!!; 777,148 Miles; Stk. #5902 - \$19,500



CAT, KOMATS 2009 KENWORTH TROO FLATBED: CAT 335 HP: 10-Spd. Manual Zous Artwork in deur Patieta, CAI 333 Hr.; 1053 J. Wallata. (Clean Double Frame Flatbed Truck-Wrallinger PK11001 Rear Mounted Knuckleboom; 42° Forks; 20K Front Axle; 44K Full Locking Rears or Neway Air Ride; 23° x 96° Aluminum Deck, 4.63 Ratio. 270′ WB; 192° Cland 24° Frame Behind Cair, Flatbed & Knuckleboom Can Be Removed; 278,458 Miles; Stk. # 6308 - \$48,900



KENWORTH. 005 PETERBILT 357 6x6; Clean Double Frame 24'6' Flatbed Truck; AT 350 HP; 8L, Trans.; 22K FlA; 46K Full Locking Rears; 42565R22.5 Tires; endickson Halumax Vssp.; 5.6 Ratio; 288' WB; 218' CT; 30' Trans Bod ab; Will Spagate Bed From Chassis; 714;108 Miles; Stv. #5701 - \$49,900



2005 KENWORTH T800 FLATBED; CAT 335 HP; Double Frame Flatbed Truck; 20K Fr.44 KF.ull Locking Rears; 21 6" x 96" Steel Deck; 5.29 ratio; 244" WB; Hendrickson Susp.; Flatbed Can Be Removed: 19" Frame Behind Cab; 162" CT; 12,584 Hours; 137, 761.4llies; 514, #6.203, 5.40,500. 137,760 Miles; Stk. # 6323 - \$49,500



2005 PETERBILT 357 CAB & CHASSIS; Cummins 370 HP; 2003 PETERBILI 307 CAB & CHASSIS; CUITINITIS 370 FIF Engine Brakes; 8LL Manual Trans.; Quad-Axle w/Double Frame; 18KF/A 44K Full Locking Rears; (2) 11K Steerable Lift Axles; Air Trac Susp. 22° Frame Behind Cab; 212° CT; 302,500 Miles; Stk. #5831 - \$43,500



HYUNDAI, IR 2008 PETERBILT 367; Cummins ISX 485HP; Allison Auto Trans; Clean Single Frame Dump Truck w/15' Steel Bod w/3' Sides and 1' Sidebaards; Ingr. 14.300# F/IA; 48K Lockin Rears on Air Trac Susp.; 204' WB; Plumbed for Pup Traile Engine Had Complete Rebuild (Paperwork Included) 383,992 Miles; Slx. #6264 - \$52,900



2008 PETERBILT 340 DUMP TRUCK; Paccar PX8 330 HP; 13-Spd. Manual; Double Frame; 19 'Heated Steel Body; 20K Front Avie; 20K Lift; 46K Full Locking Rears; 246' WB; Tarp; 5,25 Ratio; Air-Trac Suspension; Ht4h and Plumbed for Pup Traler; 214,997 Miles; Sik. # 6342 - \$49,900



2011 AUTOCAR ACX64 GARBAGE TRUCK; 350 HP Cummins ISL; Allison Automatic; Shur-Pak 24 Cu. Yd. Side Load Packer; Double Frame; L/H & R/H Drives; 20,000# F/A; 44,000# R/A; Will Separate Packer From Chassis; 22' of Frame; 70,022 Miles; Stk. #6236 - \$29,900



2006 MACK GRANITE CT713; Mack 370 HP; Engine Brake; Eaton Fuller 8LL Trans; Hendrickson Rubber Block Susp.; 20K F/A; 46K Full Locking Rears; 20' Heated Steel Box; 500,000 Miles; Stk. #6343_\$39,900



2005 PETERBILT 357; CAT 305 HP; Allison Auto.; Clear Cab & Chassis; 20K F/A; 46K Rears on Haulmaax Susp. 17 Frame Behind Cab; 140° CT; 216° WB; New Drive Tires; 129,217 Miles; Stk. #4894 - \$59,000



\$\$\$\$\$ WE 2007 MACK CTP713 GRANITE FLATBED; Mack 370 HP; 10-Spd.



2007 MACK CTP13 GRANITE FLATBED: Mack 370 HP; 10-Spd.
2008 KENWORTH W900; 320 HP Cummins ISM; Allison Auto.;
2008 KENWORTH W900; 320 HP Cummins ISM; Allison Auto.;
2008 KENWORTH W900; 325 HP CAT C10 Engine; 8LL Trans; 10-Spd. Manual; 10-S





\$\$\$\$\$ WE BUY MACK, FREIGHTLINER, PETE, KENWORTH, Etc. TRUCKS and CAT, KOMATSU, CASE, HYUNDAI, IR, Etc. CONSTRUCTION EQUIPMENT for \$\$\$\$\$

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Cornell Cooperative Extension of Livingston County NWNY Dairy, Livestock & Field Crops Team 3 Murray Hill Drive Mount Morris, NY 14510

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2021 VIRTUAL FORAGE CONGRESS

March 11, 2021 - 10:00am to 12:15pm

AGENDA - Held virtually on Zoom

10:00 - 10:30am - The Economic Costs of Loading & Mixing, Jason Karszes, PRO-DAIRY, Cornell University

10:35 - 11:05am - Improving Harvest Management, Joe Lawrence, PRO-DAIRY, Cornell University & Tom Kilcer, Advanced Ag Solutions (recording)

11:10 - 11:40am - Nutritive Value and Yield of Reduced-Lignin Alfalfa Cultivars in Monoculture & Binary Mixtures with Perennial Grass, Dr. Jerry Cherney, Cornell University

11:45 - 12:15pm - Cover Crop Adoption on Dairy Farms, Dr. Virginia Moore, Cornell University

Registration closes March 9, 2021

More information is available at: https://nwnyteam.cce.cornell.edu/events.php

COVID-19 Information Websites:

Need information? View the following Cornell CALS and CCE Resource Pages that are updated regularly.

General Questions & Links: https://eden.cce.cornell.edu/

Food Production, Processing & Safety Questions: https://instituteforfoodsafety.cornell.edu/coronavirus-covid-19/

Employment & Agricultural Workforce Questions: http://agworkforce.cals.cornell.edu/

Cornell Small Farms Resiliency Resources: https://smallfarms.cornell.edu/resources/farm-resilience/

Financial & Mental Health Resources for Farmers: https://www.nyfarmnet.org/

Cornell Farmworker Program www.farmworkers.cornell.edu | www.trabajadores.cornell.edu (en espanol)