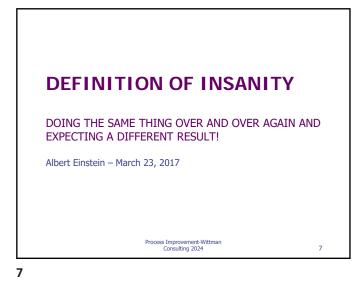


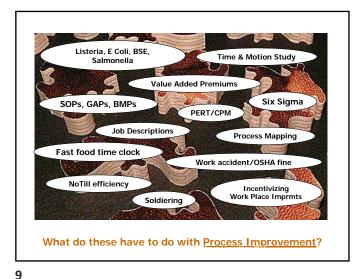
|   | Biosketch   |
|---|---|
|   | Ag Lender – FCS (1972-1980) – Spokane, WA & Washington, DC  |
| ۲ | Partner in 20,000 acre diversified family farm business (1980-present)  |
|   | New title – Jan. 1, 2017 – Board Chairman/Transition Coach  |
|   | Farm management consultant (1980-present)   |
|   | <ul> <li>Farm family transitions and formalization of governance structures, financial<br/>planning, managerial accounting, process improvement, consultant training</li> </ul> |
|   | Industry boards/affiliations  |
|   | <ul> <li>Farm Financial Standards Council – Past President</li> </ul>   |
|   | PNW Direct Seed Association – Director, Past President  |
|   | <ul> <li>Director – numerous commodity group and bank boards</li> </ul>   |
|   | <ul> <li>Faculty member – TEPAP Program (fin mgmt. &amp; process improvement);<br/>Texas A&amp;M King Ranch Institute (MA)</li> </ul>   |
|   | www.wittmanconsulting.com   |
|   | Process Improvement-Wittman<br>Consultina 2024 4  |

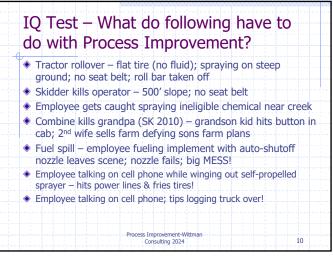


| ASK YOL    | JRSELF              |    |
|------------|---------------------|----|
| Am I runni | ing a PROFESSIONALL | Y. |
| MANAGEI    | D FAMILY FARM       |    |
| BUSINES    | Sor a MOB?          |    |
|            |                     |    |
|            |                     |    |

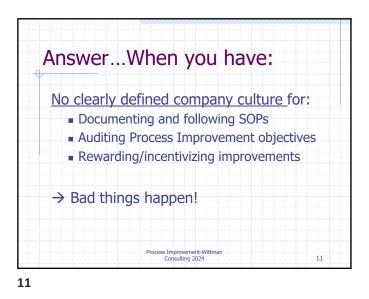


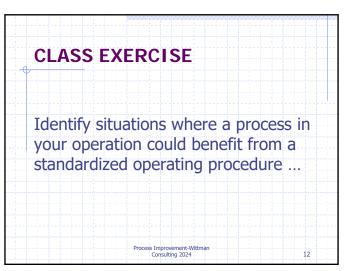
| CI             | itique – Fixes for future  |
|----------------|--|
| ۲              | Timing ok with current length2018 just right; 2019 – finished with                               |
| -              | 15min to spare. Add Kingfisher to animals<br>45 min; ck key slides cut. May need 3-4 more slides |
|                | Consider cutting case study (2018 – did short version in 10 min.)                                |
| <sup>1</sup> . | Add: financial quantification of variance (i.e. seeding rate being off                           |
|                | sprayer overlap  |
| •              | Add: JD research on cost of idle time (30+ %); JD has this number                                |
| ۲              | Add: Deming's animal photos  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                | Process Improvement-Wittman<br>Consulting 2024   |

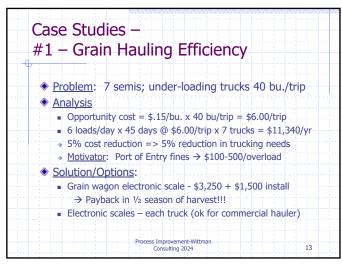


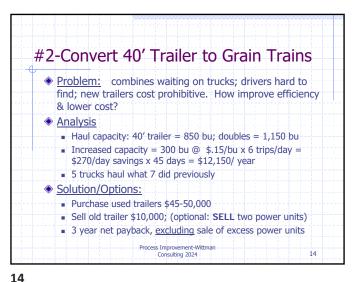


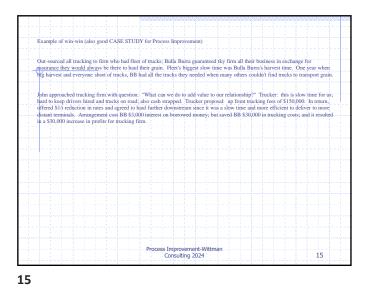


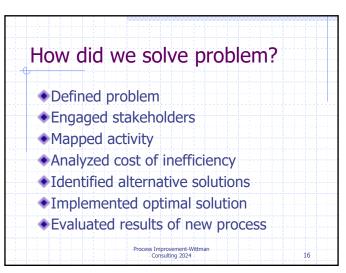


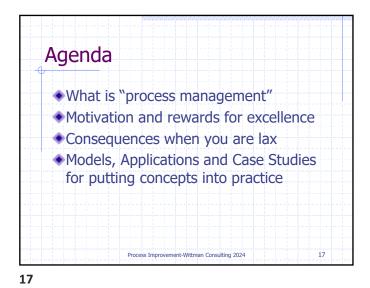






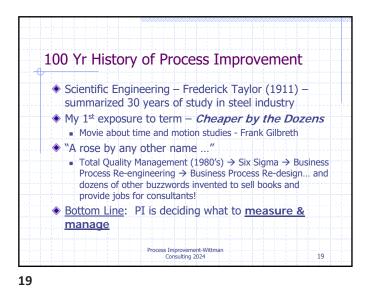




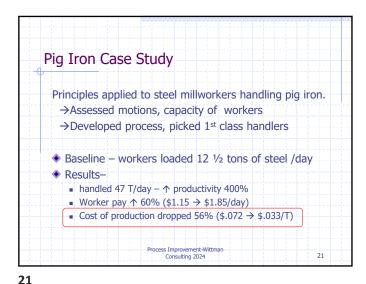


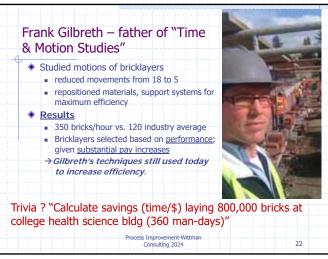


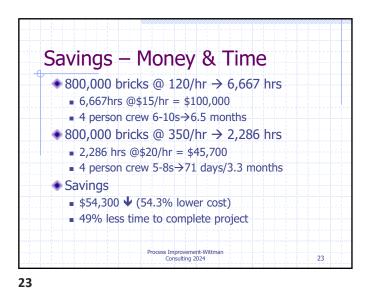


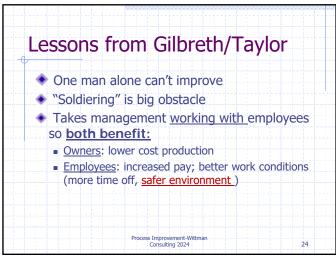


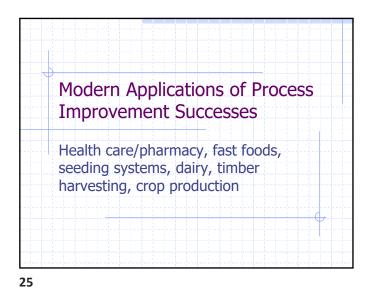
| Scientific Engineering – Frederick Taylor (1911)<br>after experimenting with concept in steel industry 1880-19 |           |
|--|-----------|
| Four principles  |           |
| Develop "work science" to replace "rule-of-t   | humb"     |
| Manager's job: select, train, develop stand  | ards      |
| <ul> <li>Managers cooperate with workers to insure<br/>consistency</li> </ul>                                  |           |
| Responsibilities divided: management and w   | vorkforce |
| Principle Management Objective: prosperity for e coupled with prosperity for employer                          | employee  |
|  |           |
|  |           |
| Process Improvement-Wittman<br>Consulting 2024   | 20        |





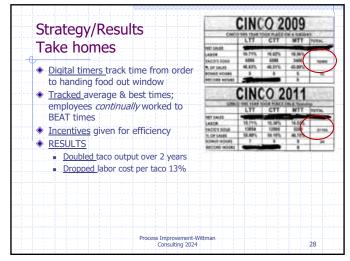


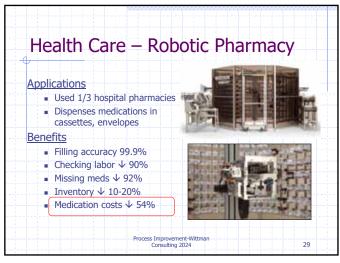






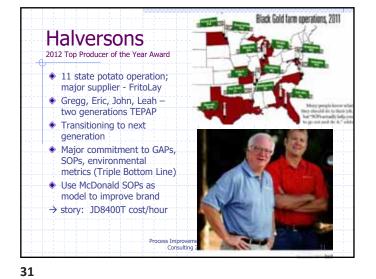


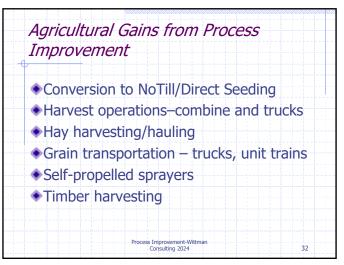








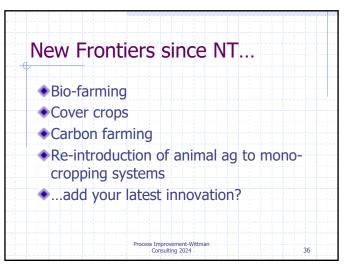




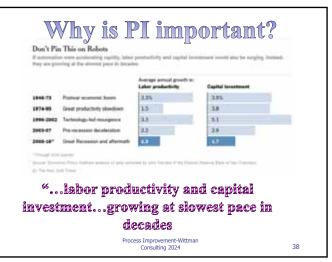


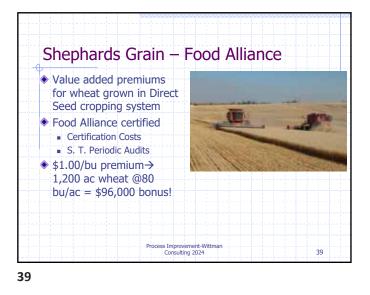


| Operation                    | Cost/Acre   |
|------------------------------|-------------|
| Fall Plow                    | \$15.00     |
| Spring Harrow                | 4.00        |
| Spring Cultivate             | 6.00        |
| Cultivate/Spray Incorporate  | 6.00        |
| 2nd Incorporation-Cultivator | 6.00        |
| Seed-Conventional Drill      | 15.00       |
| Harrow                       | 4.00        |
| Roller/Packer                | <u>4.00</u> |
| Total Costs Per Acre         | \$60.00     |
| Recreational farming at its  | best!!!     |



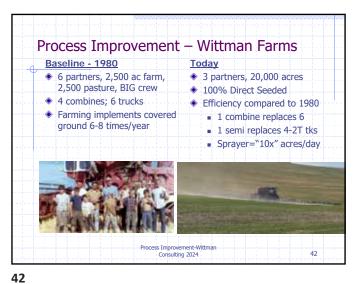
| A Tale o | f Two Tilla                                   | ge System: |
|----------|---|------------|
|          | 1998  | 2000       |
| ATR      | .50   | 1.05       |
| OPMR     | .1275   | .1633      |
| ROA      | 6.47%   | 17.14%     |
| ROE      | 3.88%   | 22.61%     |
|          | Process Improvement-Wittma<br>Consulting 2024 | JN         |









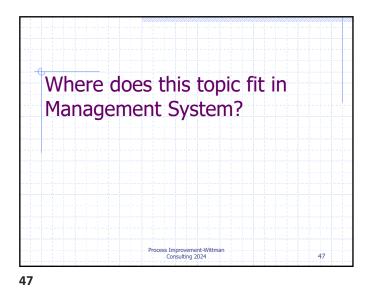


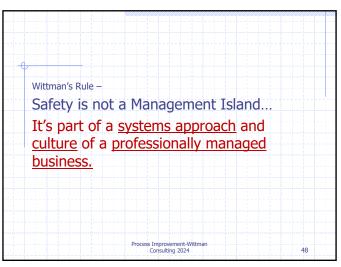
| Systematic approach to closing of process or<br>system performance gaps through streamlining<br>and cycle time reduction, and identification and<br>elimination of causes of below specifications<br>quality, process variation, and non-value-adding<br>activities.<br>source: google.com | Definition –   | Process Improvement   |  |
|--|--|---|--|
| source: google.com   | system perform<br>and cycle time<br>elimination of<br>quality, proces<br>activities. | mance gaps through streamlining<br>reduction, and identification and<br>causes of below specifications<br>s variation, and non-value-adding |  |
|  | 5  | source: google.com  |  |
| doesn't this sound exciting!!!   | doesn't th   | is sound exciting!!!  |  |
|  |  | Process Improvement-Wittman<br>Consulting 2024  |  |

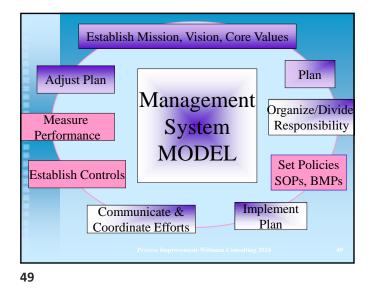
|                                     | ritannica): analysis of time spe<br>ferent motions of a job or series (                                   |                                 |
|-------------------------------------|---|---------------------------------|
| and-motion stud<br>in the United St | dies were first instituted in office<br>ates in the early 20th century. Th                                | s and factories<br>nese studies |
| methods of wor                      | n a wide scale as a means of imp<br>k by subdividing the different op<br>e elements. Such analyses were t | erations of a job               |
| work check th                       | e efficiency of people and equipro<br>achieve results.  |                                 |
|                                     |   |                                 |
|                                     |   |                                 |
|                                     | Process Improvement-Wittman<br>Consulting 2024  | 44                              |

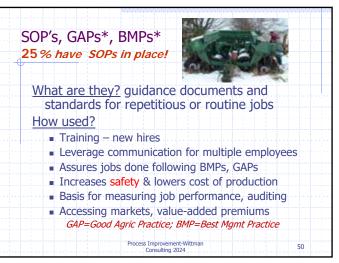




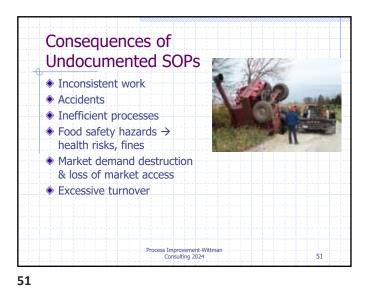




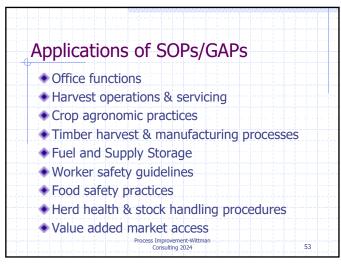


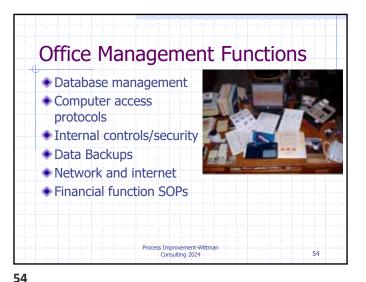


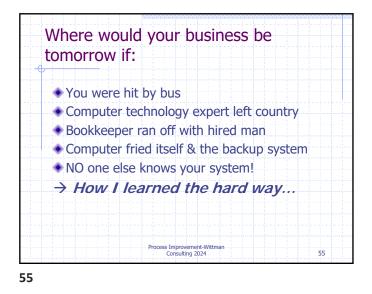






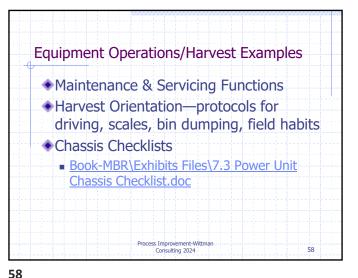


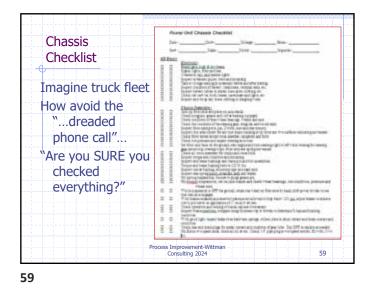


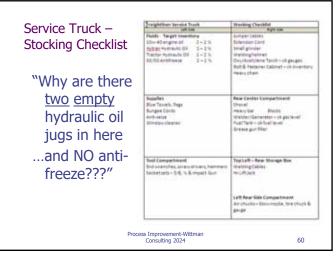


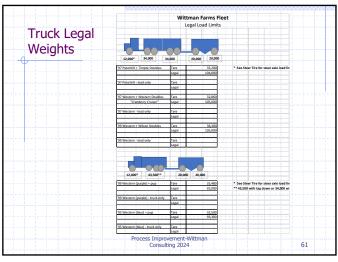




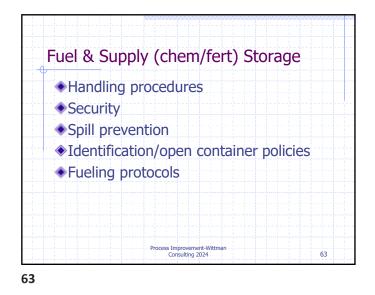






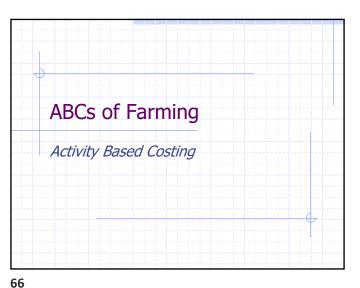


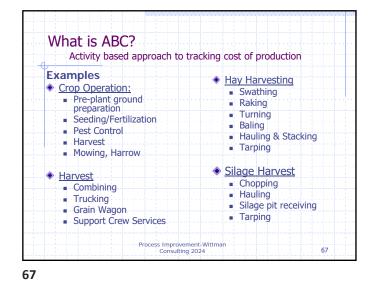
| No.                                    |                     |                     |  |  |
|--|---------------------|---------------------|--|--|
|  | Caterplan           |                     |  |  |
|  | Outropy 15          |                     | They sharehow had they.  |  |
|  |                     |                     | -00 107 mean al Mas al ann. Bail with salar we wire            | Equipment  |
| Senial di-                             | 70403485            |                     | upters and stark. Repost process with d the other had filters. | Service Log  |
| low-                                   |                     |                     |  | JEI VILE LUY   |
| Date Purchased                         |                     |                     |  |  |
| Punhase Priori                         |                     |                     |  | <ul> <li>Gen Information</li> </ul>  |
| Ny/Na at Purchase                      |                     |                     |  |  |
| Garrent HospMiles                      | 800 km              |                     |  | <ul> <li>Lubrication Space</li> </ul>  |
| Maintenance                            |                     |                     |  | <ul> <li>Lubrication Specs</li> </ul>  |
| Degine Cil                             |                     | Hydrade Cil         |  | <ul> <li>Maintenance History</li> </ul>  |
| Engine Gil Types                       | 108-40              | Had CA Type:        | Quality HTE (growt)  | · municerunce mistory  |
| Desire Of Casada                       | 1.4                 | Hel Di Casalte      |  | NT D // L L L  |
| Degine (21788er)s)                     | Due MINON           | Head Cit PillerCol- | Der FLIMER   | <ul> <li>"To Do" List</li> </ul>   |
| and Devices                            |                     |                     |  |  |
|  |                     |                     |  |  |
| fud film                               |                     | Terenisien Of       |  | Administration   |
| Nat Film(s)                            | Der PRI XA der      | Tana Gi Tgen        |  | Authinistration  |
|  | CIP-INICITI IN      | Trans Of Capacity:  |  | and the second |
| fut(outer are                          | PEORE - CIT-127-108 | Term GI Film(s)     | Derfielding a  | <ul> <li>Updated Annually</li> </ul>   |
| Led Service                            | 8047Au (3,01/18)    |                     | CAT-LOWING   |  |
| ie film                                |                     | Last Devices        | 7889 http://doi.org/10.001                                     | <ul> <li>Employee logs</li> </ul>  |
| in Shares                              | Dec #1720           | 100.00              |  |  |
| Die Niew                               | 110-17M MANUA       |                     |  | changes  |
|  |                     | OIF Film(s)         |  | chunges  |
| Les Terrire                            | TREE in (12(12)(17) |                     |  | Chan Managar   |
| Caulani Miler                          |                     | Lasi Senten         |  | <ul> <li>Shop Manager</li> </ul>   |
| Gaslerit Filer(10                      |                     |                     |  | records  |
| last Service                           |                     |                     |  | 1000103  |
| To Do Winter 2018/19                   |                     |                     |  |  |
| . Information and and all House        |                     | CONFLICTO           |  |  |
| - sheek and replace at Elses as        | FON                 | T I                 | 1 A  |  |
| - detail sale<br>- imperii legal parte | riam                |                     | 4. <b>WAADI</b>  | eRecord  |
| - alma barrarian fanta 🌙               | T NGGNU             |                     | Consulting 202   |  |

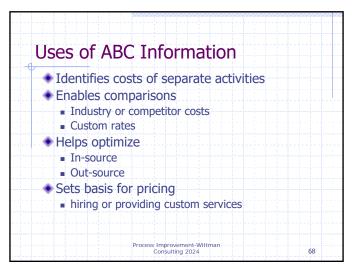


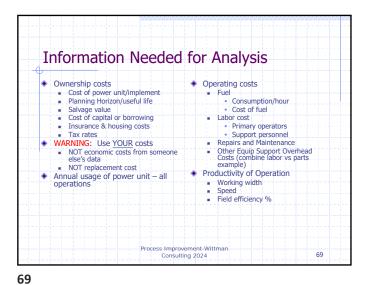


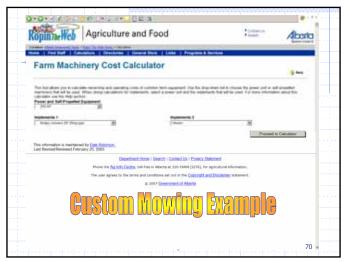
| 50 | urce: Barron Farms Inc  |
|----|---|
| 1. | Daily – inspect complete chassis (brakes, steering linkage, overal truck condition) |
| 2. | Drivers may only use cell phones when trucks parked                                 |
| 3, | Drivers allowed to have passengers with written approval                            |
| 4. | Inspect field entrances/exits before entry; mark edges clearly                      |
| 5. | Maximum speed limit 7 mph driveways, yards  |
| 6. | Always park trucks on flat with brakes set; driver stays in truck while loading     |
| 7, | Drivers expected to obey all traffic & weight limit restrictions                    |
| 8. | Drivers required to have minimum 10 hours rest before next shift                    |
| 9. | All truck loading at bins requires one helper assist while loading                  |
| 10 | . At end of day, all trucks to be parked in designated parking areas                |

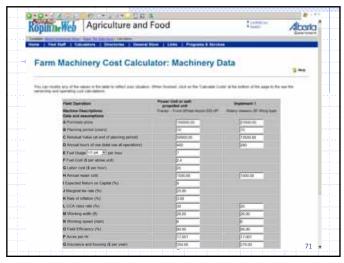






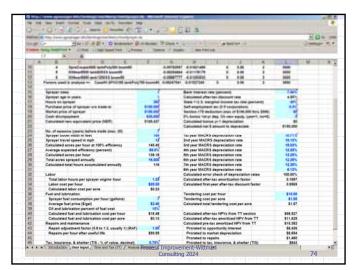


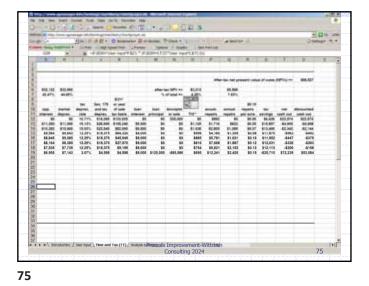


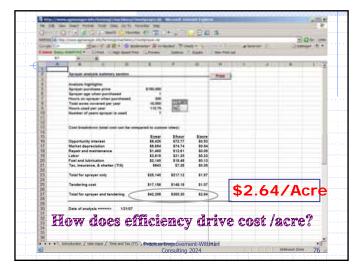


| Machine Cost Calculator:  | results   |  |         |
|---|---|--|---------|
| 1722 - 1725 -   |   |  |         |
| ripul Parameters  |   |  |         |
| Della and assuragettone<br>8. Portobert proce<br>8. Plantang portob (second)<br>5. Plantang portob (second)<br>5. Plantang (second (second (second) second)   | Tracine - Frank Uthan<br>Assas 199 AF<br>STRAND OF<br>STRAND OF<br>ST | Bellery seconds<br>Bill Alling type<br>627488-00<br>10.<br>817488-00 |         |
| Di Annouel Nouto of right (Solat over all loger attorno)<br>E Pour Donais (Branc Attor)<br>Pour Donai (Branc Attor)<br>E John ( John ( Attor)   | 400<br>7<br>507 8<br>507  |  |         |
| RE Reconstant Inspect recent<br>E Coperative Reducert des Coperation<br>& Management Nan 1988<br>Recent of Instances  | 8 7940 00<br>996<br>(0.1899)<br>1.099                                 | and the  |         |
| L COL range rate<br>M Municip wolfs (R)   | 30%   | 2010   |         |
| N Pranting speed county<br>O Fand Efficiency (%)<br>P Acres per Ht  | 90.00%<br>17.001  | 90 00%<br>17 001   |         |
| Cost Results  |   |  |         |
| Dwnership Costa   | Tractor - Front<br>Wheel Assist 250                                   | Rotary movers<br>26" Wing type                                       | Total   |
| <ol> <li>Capital recovery (\$ per year)</li> <li>Insurance and housing (\$ per year)</li> <li>Total annual cementity costs.</li> </ol>  | 86616.00<br>\$350.00<br>\$6590.00                                     | \$1846.11<br>\$270.00<br>\$2086.10                                   |         |
| <ol> <li>Total investigation of the second se<br/>Second second sec<br/>second second sec</li></ol> | \$17.41   | \$7.45   | \$74.00 |
| 1. Fuel Cost<br>2. Lubrication<br>3. Repairs  | \$5040.00<br>\$756.00<br>\$1500.00                                    | \$1000.00  |         |
| <ol> <li>Labor</li> <li>Total annual operating costs</li> <li>Total ensuel operating costs per traur</li> </ol>   | \$10000.00<br>\$17296.00<br>\$43.24                                   | \$1000.00<br>\$3.57  | \$46.81 |
| Total Costs<br>1. Total annual costs<br>2. Total cost per hour  | \$242M2.00<br>\$60.65   | \$2096.10<br>\$11.02   | \$71.67 |
| <ol> <li>Total cost per acre</li> </ol>   | \$1.50  | \$0.64   | \$4.20  |

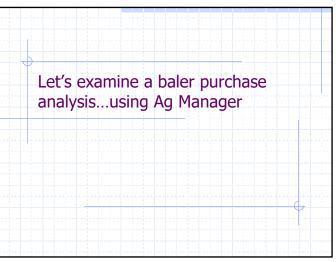


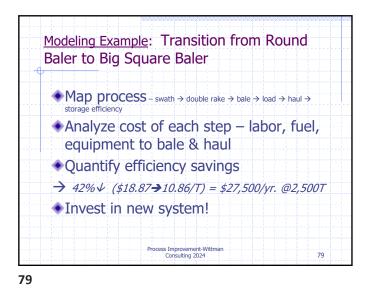


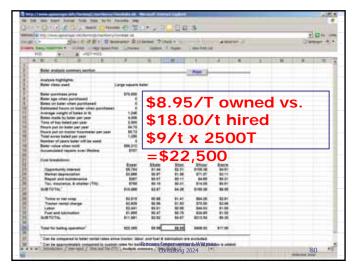


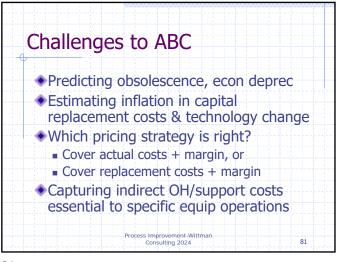


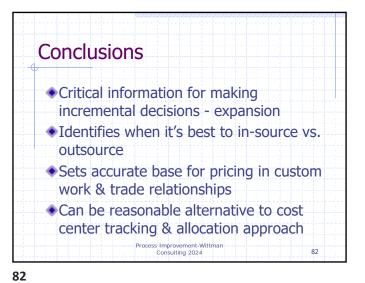
|  | Sprayer analysis summary section                            |              |          | _      | Print |   |
|--|---|--------------|----------|--------|-------|---|
|  | Analysis tepliqtits:  |              |          | - 7    |       |   |
|  | Sprayer parchase price                                      | \$348,000    |          |        |       |   |
|  | Sprayer age when purchased                                  |              |          |        |       |   |
|  | Hours on spraper when porchased                             | 0            |          |        |       |   |
|  | Total acres covered per year                                | 25,000       |          |        |       |   |
|  | Hours used per year   | 229          |          |        |       |   |
|  | Number of years sprayer is used                             | 10           |          |        |       |   |
|  |   |              |          |        |       |   |
|  |   |              |          |        |       |   |
|  | Cost breakdown (total cost can be compared to cantom rates) |              |          |        |       |   |
|  |   |              |          |        |       |   |
|  |   | Steer        | Show     | Siecre |       |   |
|  | Opportunity interest  | \$8,952      | \$39.06  | \$0.45 |       |   |
|  | tlarket depreciation  | \$15,619     | \$88.15  | \$0.78 |       |   |
|  | Repair and maintenance                                      | \$8,059      | \$39.53  | \$0.45 |       |   |
|  | Labor   | \$7,101      | \$31.25  | \$0.30 |       |   |
|  | Fuel and lubrication  | \$5,672      | \$24.75  | \$0.28 |       |   |
|  | Tax, insurance, & shefter (115)                             | \$1,679      | \$7.32   | \$0.08 |       |   |
|  | Total for sprayer only                                      | \$41,142     | \$210.08 | \$2.41 |       |   |
|  | Tawdering cost  | \$25,729     | \$129.73 | \$1.40 | _     |   |
|  | Total for sprayer and tendering                             | \$77,872     | \$339.80 | \$3.89 | 47%   | Î |
|  | Date of analysis 2/19/17                                    | 16.000       | )ac → \$ | 4.03/a | r.    | - |
|  |   | Improv25,000 |          |        |       |   |



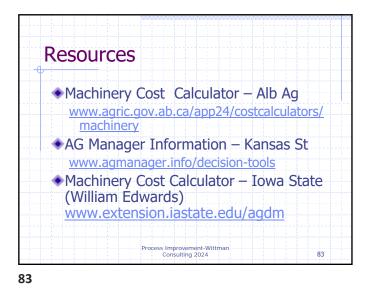






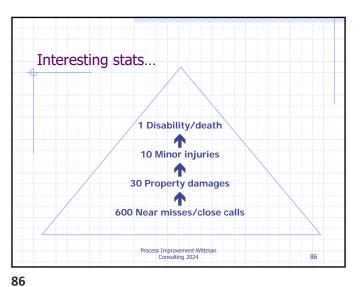


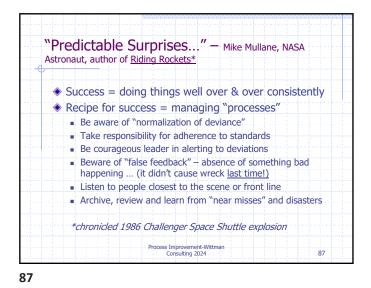


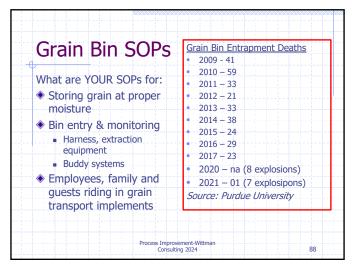


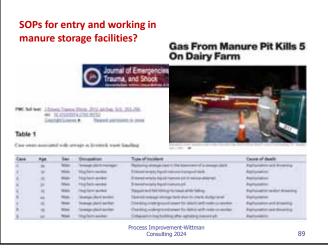






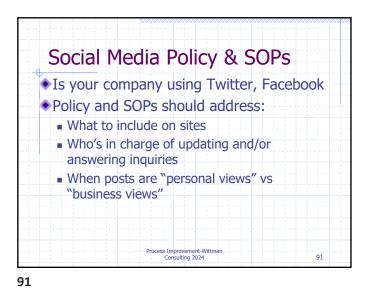














|   | DAIRY DOZEN<br>1. Manure storage facilities/                      | functional components. An<br>shields in place for grain dryer.   |  |
|---|---|--|--|
|   | collection structures. Does your                                  | augor, fan, gears, and other   |  |
|   | plan include warning signs and                                    | moving parts?  |  |
|   | worker training?<br>2. Dairy bull and gow                         | procedures. Do you token these   |  |
| ╶┝┰╌╁╌┼╌┼╶┼╻┽╌┪╌╌┾╌┼╴┤                    | behavior/worker positioning.                                      | while servicing or maintaining   |  |
| Hazard Areas                              | Do you offer animal-handling                                      | equipment?<br>S. Deemical safety. Do you   |  |
|   | programs that address physical<br>hazards in barre, pens, hokling | conduct on-farm hazard<br>contruction training<br>for storage and retrieval of<br>chemicals7 (by you 86-heat |  |
| -Dairy Dozen                              | areas, crowd gates, and partors?                                  |  |  |
|   | in Spanish offered?<br>3. Electrical systems. Have you            |  |  |
| Sept 2014 Successful Farming –            | eliminated open circuits, exposed                                 | respirators?   |  |
| OSHA Local Emphasis Program –<br>New York | writing, improper use of extension                                | 10. Confined space safety.   |  |
| → Collaborative effort: Farm Bureau,      | contis, debris, and sharage close to<br>electrical panels?        | Are appropriate worker safety<br>procedures being followed?  |  |
| NE Dairy Producers, NY Center- Ag         | 4. Skid leaders. Do you hold                                      | 11. Horizontal bunker silo   |  |
| Medicine & Health, Cornell University     | regular training and lorpection of<br>safety mechanisms?          | safety. What procedures and<br>equipment are needed?   |  |
|   | 1. Bractor operation. Are all                                     | 12. Naise/hearing protection.  |  |
|   | safety mechanisms working   | Have you made engineering  |  |
|   | properly? Bhut about ROPS?<br>PTD gaards. Are PTO drivelines      | changes to reduce rosse levels<br>and to determine appropriate   |  |
|   | and master shields in place?                                      | situations for workers to use  |  |
|   | T. Power transmission and   | hearing protection? ##   |  |
|   |   |  |  |
| Process                                   | Improvement-Wittman   |  |  |









