2009 Beef Management Calendar

MISC0396



Beef Management Calendar

Appreciation is expressed to the University of Kentucky Beef and Tennessee Beef IRM Coordinating Committees for allowing use of its Beef Integrated Resource Management Calendar in Washington State.

Other sources:

Cow-Calf Management Guide & Cattle Producer's Library, 2nd edition. Western Beef Resource Committee.
Boyles, S., W. Shulaw, C. Little, and M. Sule. Ohio Beef Herd Management Calendar. http://beef.osu.edu/library/finalcalendar.html.
Walker, R., C. Lamb, B. Lovaas, L. Weddle-Schott. The Cow/Calf Planner. University of Minnesota Extension Service. http://www.extension.umn.edu/components/publications/CowCalfCalendar.pdf.
Washington State Pesticide Resource Service. http://wsprs.wsu.edu.
Greenbook[®]. http://www.greenbook.net.
Rangelands West. http://rangelandswest.org.
Riparian grazing reference book (NRST).
Interpreting Indicators of Rangeland Health.
NRCS grazing guidelines.

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This calendar has been developed to assist you in formulating an overall management plan for your beef operation. Utilize the calendar to schedule various management practices and farm-related activities.

General Assumptions

- Calving begins in February with first calf heifers and mature cows that are bred to calve beginning March 1.
- Fall-calving herds are bred to calve beginning mid-August through September.

Herd Health Assumptions

- Local veterinarians should be consulted to develop the appropriate health programs.
- All practices should be carried out according to label and Beef Quality Assurance (BQA) recommendations. See Western Region BQA web site: *http://www.bqa.wsu.edu*.
- Four general working opportunities should be considered:
 - Pre-breeding, Pre-weaning, Weaning, and Mid-summer.

Economic Considerations

- 1. Have employees complete I-9 and W-4 forms on their first day of employment.
- 2. Beginning of business year:
 - a. Arrange for a line of operating credit for the beef enterprise. A monthly cash flow estimate will be useful in determining the line of credit.
 - b. Inventory the resources (herd, land, labor, capital, management) available for the beef enterprise. Prepare a budget to determine the cost of producing a calf. This will assist in marketing the calves at a profitable level.
 - c. Set goals that include the financial and production aspects of the beef cow/calf enterprise. Keep financial records on a monthly basis to monitor the profitability and cash flow.
 - d. Determine the annual quantities of feed, medicine, and other inputs needed. Negotiate an annual price for each of the required inputs and then schedule different delivery dates prior to the time products are needed.

- 3. Every month:
 - a. Record all cow purchases, sales, deaths, and movements among pastures.
 - b. Maintain affidavits for Mandatory Country Origin of Labeling (mCOOL). *See text at end of calendar.*
- 4. End of year:
 - a. Prepare an income statement and balance sheet as of the last day of the business year. Determine if the financial and production goals set forth in the beginning of the year were met.
 - b. Put insurance on assets to protect against wind, fire, theft, flood, lightning, liability, collision, etc.

Customizing Your 2009 Beef Management Calendar

Introduction

The following instructions will guide you through the process of customizing your Beef Management Calendar.

Keys to Maximum Benefit from the Beef Management Calendar

Having a planned breeding/calving season and the availability of handling or working facilities are very important to getting the most from the Beef Management Calendar. Neither is essential for using the calendar. Both a planned breeding/calving season and handling facilities would be good goals if they are lacking on your ranch.

Record Keeping for Process Verification Program (PVP) and Mandatory Country of Origin Labeling (mCOOL)

To participate in Process Verification marketing programs, records must be maintained that show the birth dates of the first and last calf born in a calving group. Using the calendar to write the identification number of these calves on the appropriate date on the calendar can serve as the official record for a program. It is recommended that the birth date and other appropriate information for each calf be kept on the record sheets in the back of this calendar.

These records will also be useful in documenting the normal level of production to verify the origin of your calves that are required for mCOOL.

Some record keeping resources are:

- IRM red book
- Cow-calf herd notebook (Western Region BQA)
- Also various computer-based record keeping systems

Contact your local WSU Extension office on how to acquire these tools.

General Assumptions for Recommendations in the Beef Management Calendar

Spring-calving cows are bred to calve beginning March 1, with first calf heifers beginning approximately 30 days earlier. Fall-calving herds are bred to calve beginning mid-August through September.

Setting Goals and Finding Limiting Factors

Although not necessary for customizing your Beef Management Calendar, spending some time on the following will help to develop a stronger ranch plan. As a result, the planning done on this calendar will be more focused on the specific areas that most need improvement.

- 1. Set personal and business goals.
- 2. Determine limitations to meeting your goals and getting the maximum benefit from your beef/forage operation. The following are some, but not all, areas to consider:
 - a. Cattle limitations: herd health, genetic potentials, nutritional status, reproductive status, and marketing.
 - b. Forage limitations: soil type, fertility, land use, forage resources, hay quality, grazing system, and match of forage resources to monthly animal needs.
 - c. Financial and management limitations: available credit, knowledge of financial position, and management skills.

Steps to Customizing the Calendar

Step 1. Define the calving period you want for 2009-2010.

Define your desired calving period you want for 2009-2010. Find these "due dates" using the gestation table at the end of this calendar. For example, if you want your calves to begin coming on March 1, you will find this "due date" corresponds to a breeding date of May 22. Therefore, you should begin your breeding season on May 22, 2009. Some dates are included in the calendar itself for convenience. (Caution: You should not go from year-round to short season calving in one year).

- Write "Put bulls with cows" on calendar.
- Write "Calving season begins" on calendar.
- Write "Remove bulls from cows" on calendar.
- Write "Calving season ends" on calendar.

Step 2. Take care of bull/semen needs.

At least 45 days prior to breeding season, purchase bulls (tested for breeding soundness) and/or order semen. Get a Breeding Soundness Evaluation on farm bulls. Quarantine bulls until the test results are proven negative.

- Write "Buy bull(s)" on calendar.
- Write "Order semen" on calendar.
- Write "Breeding soundness evaluation for bulls" on calendar.

Step 3. Decide how many times and when you will work cattle.

Suggested working periods:

- Pre-breeding or turn-out (most important working, but can be done at any time prior to putting the bulls with the cows).
- Mid-July (good time to deworm and implant).
- Pre-weaning* (usually done 3 to 4 weeks prior to weaning).
- Weaning* (unless you sell at weaning).
- Write the appropriate management practice on the calendar (e.g., preweaning working).

*Might be combined.

Step 4. Forage planning.

- Place appropriate forage-related information on calendar (suggested month(s) in parentheses).
- "Soil test" (fall).
- "Apply fertilizer" (March/April or October/November, except for stockpiled fall pasture).
- "Nitrogen application for fall-stockpiled pasture" (late August to early September).
- "Sample hay for quality" (August to October).
- "Pasture renovation with clover" (February for frost-seeding or later if drilling).
- "Remove cattle from fields to develop fall stockpiling" (late August to early September).
- "Take first cutting of alfalfa hay and take first cutting of other hay."
- "Take last cutting of alfalfa hay."
- "Start feeding higher-quality hay for last trimester" (November 1 for January-calving cows).

Step 5. Evaluate rangeland stocking rates based on moisture and temperature conditions (April–May).

Step 6. Economic practices

- Place economic information on calendar.
- Inventory the beef herd (usually January).
- Estimate annual quantities of inputs (January).
- Arrange for line of credit (January March).

January

SPRING CALVING HERD

Prepare for calving season.

Select areas (past and new) of your operation to calve heifers and cows separately.

Prepare a calving area and equipment:

- Facilities to warm chilled calves
- Puller and chains
- Ear tags and applicator
- Frozen or commercial colostrum supplement
- Oral calf feeder
- Iodine for calf's navel
- Record book
- Scales
- Electrolytes
- Injectable antibiotics
- Other medical cabinet supplies (check expiration dates)

Begin lining up calving season help for monitoring heifers and cows for calving difficulties.

Make sure mature cows have a body condition score (BCS) of 5 or greater and first-calf heifers have a BCS of 6 or greater. See *http://www.ext.vt.edu/pubs/beef/400-795/400-795.html*.

Booster vaccine for scours where needed.

Consider Vitamin E/Se injections last month of pregnancy.

FALL CALVING HERD

Continue with winter feeding program. Calves are 90 to 100 days old. They are becoming less dependent upon the dam's milk as their digestive system develops into a functional ruminant system. Consider this in your feeding plan.

MANAGEMENT

Increase Total Digestible Nutrients (TDN) of the diet by 1 percent for every 1 degree below freezing.

Provide clean water at all times. Be aware of the hazards of frozen water.

Provide wind breaks.

Repair any equipment, machinery, or buildings.

MARKETING/BUSINESS

Price cattle at different times than when being delivered. Calculate basis between local prices and Chicago feeder cattle prices.

Take feed and livestock inventory early in the month so you can prepare a financial statement for last year. Calculate year-end business analysis of profit or loss. Compare this to previous analysis and look for strengths and weaknesses.

FORAGES

Continue testing hay for nutrient content.

January 2009

Sunday	у	Mond	ay	Tuesda	ay	Wedne	esday	Thurso	day	Friday		Saturd	ay
								1	Due Oct 10	2	Due Oct 11	3	Due Oct 12
4	Due Oct 13	5	Due Oct 14	6	Due Oct 15	7	Due Oct 16	8	Due Oct 17	9	Due Oct 18	10	Due Oct 19
11	Due Oct 20	12	Due Oct 21	13	Due Oct 22	14	Due Oct 23	15	Due Oct 24	16	Due Oct 25	17	Due Oct 26
18	Due Oct 27	19	Due Oct 28	20	Due Oct 29	21	Due Oct 30	22	Due Oct 31	23	Due Nov 01	24	Due Nov 02
25	Due Nov 03	26	Due Nov 04	27	Due Nov 05	28	Due Nov 06	29	Due Nov 07	30	Due Nov 08	31	Due Nov 09
Notes	:	1		1		1		1		1		1	

February

SPRING CALVING HERD

Calving Season Begins.

Observe cows closely (especially heifers). Expect calving difficulty and intervene if:

- No progress after 90 minutes of labor.
- Calf is backwards (only the calf's tail is visible or the dew claws are pointed "up").
- Calf's head and two feet are not visible.

Identify calf with ear tag and/or tattoo while it is young and easy to handle. Record dam ID and birth date. Castration and dehorning are less stressful when performed on young animals. Registered calves should be weighed during the first 24 hours.

Call AI technicians for spring breeding appointments.

Determine how much you can spend for bulls and/or semen.

Record the identification number of the first calf born on the appropriate calendar date to serve as a record for a PVP program.

For neo-natal calves, administer oral antibodies for disease-causing organisms on farm as recommended by veterinarian.

FALL CALVING HERD

Calves are functional ruminants and don't necessarily need their dam's milk. If hay is in short supply, consider early weaning. It costs less to feed calves directly than to feed them through their dam. Cows can then be fed a low-quality diet.

MANAGEMENT

Increase Total Digestible Nutrients (TDN) of the diet by 1 percent for every 1 degree below freezing.

Provide clean water at all times.

Provide wind breaks.

MARKETING/BUSINESS

Inform tax preparer of sales on unbred heifers in the breeding pool because they are considered breeding livestock by the IRS.

Continue analyzing cash and futures feeder cattle prices and project your potential profit and production costs for selling your backgrounder/finisher calves immediately or at a later date.

Prepare a monthly cash flow for your beef cattle enterprise and your total farm business.

FORAGES

Prepare for pasture renovation by purchasing seeds, inoculants, etc., and getting equipment ready.

Assess hay quality and inventory.

Allocate hay feeding based on animal needs and hay quality.

Determine varieties to be used for renovation.

February 2009

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
Notes:						

March

SPRING CALVING HERD

Spring calving continues.

Identify calf with ear tag and/or tattoo, brand while calf is young and easy to handle. Record dam ID and birth date. Castration and dehorning are less stressful when performed on young animals. Registered calves should be weighed during the first 24 hours.

Watch for calf scours:

- Give fluids to scouring calves that become dehydrated.
- Consult your veterinarian for proper diagnosis and treatment.
- Move cows that are approaching calving to a clean pasture.

Vaccinate calves (should be 6 to 8 weeks of age or older) for clostridial diseases (blackleg) according to label recommendations.

Separate cows that have calves and increase their feed.

Line up AI sires and/or purchase new bulls at least 30 days before the breeding season. Demand performance records and check health history including immunizations. Choose a breed and use EPDs (Expected Progeny Differences) plus visual observation to select the bull that best fits your production and marketing program.

Evaluate yearling replacement heifers for pelvic area, reproductive tract score, and weight. Heifers should reach their target weight of 65% of expected mature weight by breeding season.

Record the identification number of the last calf born on the appropriate calendar date to serve as record for a PVP program.

For neo-natal calves, administer oral antibodies for disease-causing organisms on farm as recommended by veterinarian.

Consider sand hills calving system, a pasture rotation calving system to reduce calf disease. *http://vetext.unl.edu/stories/200703050.shtml*.

FALL CALVING HERD

Pre-weaning period.

Consult your veterinarian about a pre-weaning working of the herd, which may include:

- Vaccinating calves for:
 - IBR-PI3 BVD BRSV
 - Hemophilus somnus
 - Clostridial diseases (blackleg)

Deworming calves.

If feedlot programs allow, calves should be re-implanted.

Consider the economics of creep-feeding calves with grain or high quality forage.

MARKETING/BUSINESS

Marketing for fall calving herds.

Make an economic analysis of all marketing options for calves, including selling at auction barn, video and private treaty. Another option is retained ownership, either by backgrounding or sending the calf to the feedlot.

Back grounded/growing calves should be reaching critical weights where you either sell them or finish them.

Compare your projected feed production for this year with your projected feed requirements developed in your business plan. Finalize your forage and grain production plans for the next year.

FORAGES

Determine the need for nitrogen (N) fertilization of selected grass pasture fields for early spring growth.

Plan pasture utilization strategy (fencing, water, shade, salt/mineral, herding).

Depending upon your region, consider frost-seeding legumes in legume deficient pastures and frost-seeding grass seed.

New fences should follow vegetation types and landforms to create more homogenous management units to avoid localized overgrazing and riparian damage.

March 2009

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
Notes:						

April

SPRING CALVING HERD

Prepare for breeding season.

Line up AI Services and/or purchase replacement bull at least 45 days prior to the start of breeding season. Quarantine bulls until test results are proven negative. Choose a breed and use EPDs plus visual observation to select the bull that best fits your production and marketing program.

Have a veterinarian perform breeding soundness evaluations on bulls.

If you are going to use artificial insemination and/or estrus synchronization, make plans now and order needed supplies and semen.

Make final selection of heifer replacements based on weight, pelvic size and reproductive tract score.

Record the identification number of the last calf born on the appropriate calendar date to serve as record for a PVP program.

Collect ear notches from calves and send in for BVD testing prior to breeding.

FALL CALVING HERD

Pre-weaning period.

Pregnancy check: Consider selling open cows and heifers and those weaning poor calves. Inform tax preparer if the cows and heifers were raised or purchased.

Finish vaccinations of calves (see March).

If feedlot programs allow, calves should be re-implanted.

Obtain cow and calf weights at weaning and see your county Extension agent for information on record keeping programs. Cull cows based on performance and pregnancy status and make initial heifer selections, keeping more than you intend to retain for the next breeding season.

MANAGEMENT

Repair fences, equipment and handling facilities. Plan new working facilities if needed.

MARKETING/BUSINESS

Marketing for fall calving herds: Make an economic analysis of all marketing options for calves, including selling at auction barn, video and private treaty. Another option is retained ownership, either by backgrounding in a grazing program or sending the calf to the feedlot.

Prepare mCOOL affidavits.

RANGE

Record when each species starts to grow to help project when ranges will be safe to graze. Build a growth record over several years.

Monitor development rates for forage plants to help you assess the need for adjusting your grazing plans, including evaluating stocking rates based on temperature and moisture conditions.

Use yearlings rather than cows and calves to graze rough country. They will use forage more efficiently and cover the terrain better. Weigh the yearlings before turn out to monitor their performance.

Assess impacts, if any, of excessive winter wildlife impact on spring forage supply.

Check fences.

Avoid turnout on range if soils are still saturated and/or grass growth is minimal.

FORAGES

Complete pasture renovations.

Prepare for spring seeding of alfalfa.

If growth permits, begin grazing pastures.

Plan and implement grazing system and rotation.

Frost seed pastures depending upon location.

Watch for nitrate problems if grazing annual grasses.

Provide magnesium to avoid grass tetany.

Control weeds.

April 2009

Sunda	У	Mond	ay	Tuesda	ay	Wedne	esday	Thurso	day	Friday		Saturd	ay
						1	Due Jan 09	2	Due Jan 10	3	Due Jan 11	4	Due Jan 12
5	Due Jan 13	6	Due Jan 14	7	Due Jan 15	8	Due Jan 16	9	Due Jan 17	10	Due Jan 18	11	Due Jan 19
12	Due Jan 20	13	Due Jan 21	14	Due Jan 22	15	Due Jan 23	16	Due Jan 24	17	Due Jan 25	18	Due Jan 26
19	Due Jan 27	20	Due Jan 28	21	Due Jan 29	22	Due Jan 30	23	Due Jan 31	24	Due Feb 01	25	Due Feb 02
26	Due Feb 03	27	Due Feb 04	28	Due Feb 05	29	Due Feb 06	30	Due Feb 07				
Notes	•	1		1		1		1		1		1	

May

SPRING-CALVING HERD

Breeding season begins.

Begin breeding replacement heifers for "head-start" calving. Mate to known "calving-ease" bulls.

Record inventory of all cows in each breeding pasture.

Spring working. Consult your veterinarian on the vaccines and health products for your herd. These may include:

- Deworming cows.
- Vaccinating cows for Vibrio, Lepto (5-way), IBR, BVD, and *Hemophilus sommus*.
- Vaccinating calves for Clostridial disease (blackleg) and *Hemophilus sommus*.

Strive for a 45 to 60 day breeding season of the main cow herd. Five to 6 percent of the herd should be coming into heat per day. If not, reevaluate the nutrition and health.

FALL CALVING HERD

Weaning period.

Give any necessary booster vaccinations to calves.

Obtain cow and calf weights at weaning and see your county Extension agent for information on record keeping programs. Cull cows based on performance and pregnancy status. Make initial heifer selections, keeping more than you intend to retain for the next breeding season.

Pregnancy test cows if not previously done.

Put thin cows (body condition score less than 5) on high-quality feed or pasture. Creep graze calves or wean and put on best pasture. If calves are weaned, switch cows to lower energy ration or lower quality forage.

Weaned calves can be preconditioned by feeding a complete dry ration for a short period of time after vaccinating, deworming and implanting.

Utilize low stress weaning; such as fenceline weaning.

MANAGEMENT

If grazing legume pasture, observe cattle for bloat and take preventable measures (e.g., bloat blocks). Maintain salt-mineral feeders. Provide a free-choice mineral mix containing adequate levels of salt, trace minerals, and necessary vitamins at all times.

RANGE

Record when each species starts to grow to help project when ranges will be safe to graze. Build a growth record over several years. Consider photo monitoring.

Monitor development rates for forage plants to help you assess the need for adjusting your grazing plans.

Use yearlings rather than cows and calves to graze rough country. They will use forage more efficiently and cover the terrain better. Weigh the yearlings before turn out to monitor their performance.

Assess impacts, if any, of excessive winter wildlife impact on spring forage supply.

Check fences.

May is a critical growth period for bunchgrasses. Plan pasture rotations to rest each pasture during the critical growth period one year out of three.

Plan for pre- and post-grazing photographs and/or rangeland monitoring.

FORAGES

Prepare for start of hay harvest.

Assess opportunity for weed control using recommended herbicides (always read and follow label recommendations).

Herbicide recommendations can be found at *http://wsprs.wsu.edu*.

May 2009

Sunday	у	Monda	ay	Tuesda	ay	Wedne	esday	Thurso	day	Friday		Saturd	ay
										1	Due Feb 08	2	Due Feb 09
3	Due Feb 10	4	Due Feb 11	5	Due Feb 12	6	Due Feb 13	7	Due Feb 14	8	Due Feb 15	9	Due Feb 16
10	Due Feb 17	11	Due Feb 18	12	Due Feb 19	13	Due Feb 20	14	Due Feb 21	15	Due Feb 22	16	Due Feb 23
17	Due Feb 24	18	Due Feb 25	19	Due Feb 26	20	Due Feb 27	21	Due Feb 28	22	Due Mar 01	23	Due Mar 02
24	Due Mar 03	25	Due Mar 04	26	Due Mar 05	27	Due Mar 06	28	Due Mar 07	29	Due Mar 08	30	Due Mar 09
31	Due Mar 10	Notes	:										

June

SPRING CALVING HERD

Breeding season continues.

Observe performance of bulls during breeding season. If the number of cows returning to estrus is large, try to determine the cause and consider changing bulls.

Maintain salt-mineral feeders. Provide a free-choice mineral mix containing adequate levels of phosphorus, vitamin A, selenium, copper, zinc and other trace minerals at all times.

FALL CALVING HERD

Finish collecting cow and calf weights at weaning.

- Pregnancy test cows if not done previously.
- Consider selling open cows and heifers, cows weaning lightweight, poor quality calves and problem cows. Inform tax preparer if the cows and heifers were raised or purchased.
- Make initial selection of replacement heifers.

MANAGEMENT

Don't start fly control until fly population builds up so as to avoid overuse of insecticides.

Consider vaccinating for pinkeye.

MARKETING/BUSINESS

Study August and September feeder cattle prices for stocker cattle and early weaning options.

RANGE

On publicly grazed lands, coordinate activities with a range conservationist. Have an open line of communication.

Record the level of grazing use by date. Determine if your grazing objectives are met.

Rangeland monitoring post-grazing and photos to document plant response to previous year's management.

Avoid over-utilization of bunchgrasses. 50% use is standard (~3-4 inch stubble height).

FORAGES

Depending upon region, start hay harvest to ensure adequate quality. Rotate pastures as needed.

June 2009

Sunday	У	Mond	ау	Tuesda	ay	Wedne	esday	Thurso	day	Friday		Saturc	lay
		1	Due Mar 11	2	Due Mar 12	3	Due Mar 13	4	Due Mar 14	5	Due Mar 15	6	Due Mar 16
7	Due Mar 17	8	Due Mar 18	9	Due Mar 19	10	Due Mar 20	11	Due Mar 21	12	Due Mar 22	13	Due Mar 23
14	Due Mar 24	15	Due Mar 25	16	Due Mar 26	17	Due Mar 27	18	Due Mar 28	19	Due Mar 29	20	Due Mar 30
21	Due Mar 31	22	Due Apr 01	23	Due Apr 02	24	Due Apr 03	25	Due Apr 04	26	Due Apr 05	27	Due Apr 06
28	Due Apr 07	29	Due Apr 08	30	Due Apr 09								
Notes	:	1		1		1		1		1		1	

July

SPRING CALVING HERD

If cattle are on irrigated pasture, consider mid-summer working opportunities:

- Consider deworming cows and calves.
- Re-implant calves.

Bulls should be removed from the cow herd, grouped together in a pasture with good fence and allowed to regain "normal" weight and condition.

FALL CALVING HERD

At the start of calving, make sure mature cows have a BCS of 5 or greater and first-calf heifers have a BCS of 6 or greater.

- Keep a good free-choice mineral mix available at all times.
- Plan to have good pasture available for fall calving.
- Replacement heifers should gain at an adequate rate to reach their "target" breeding weight (65% of mature size) by Nov. 25.
- Consider deworming cows.

Observe first-calf heifers closely now, since they should begin calving next month. Expect calving difficulty and intervene if:

- No progress after 90 minutes of labor.
- Calf is backwards (only the calf's tail is visible or the dewclaws are pointed "up").
- Calf's head and two feet are not visible. Arrange for enough labor to assist during the calving period.

Assemble equipment for calving season, inspect and disinfect. This equipment may include:

• Puller and chains, ear tags, record book, and scales.

Determine breed and type of bull needed for next breeding season.

MANAGEMENT

Prevent/control pinkeye:

- Clip tall, mature grass.
- Reduce flies with adequate fly control.
- Treat problems quickly.

Fly control methods may include:

- Back rubbers, spray, dust bags, pour-ons.
- Insecticidal ear tags (2 per animal).

Maintain a clean water supply and check it routinely.

Plan your winter feeding program.

MARKETING/BUSINESS

Compare actual year-to-date cash expenditures to your business plan. Determine if you are ahead or behind schedule. Attend educational field days.

RANGE

On publicly grazed lands, coordinate activities with a range conservationist. Have an open line of communication.

Record the level of grazing use by date. Determine if your grazing objectives are met.

Post-grazing monitoring with photographs.

Use herding and supplementation to place animals away from riparian areas and improve distribution of use.

FORAGES

Continue hay harvests.

Clip pastures for weeds and seed heads as needed.

Rotate pastures as needed.

Soil test for late-summer seeding.

July 2009

Sunda	у	Mond	ay	Tuesda	ay	Wedne	esday	Thurso	day	Friday		Saturc	lay
						1	Due Apr 10	2	Due Apr 11	3	Due Apr 12	4	Due Apr 13
5	Due Apr 14	6	Due Apr 15	7	Due Apr 16	8	Due Apr 17	9	Due Apr 18	10	Due Apr 19	11	Due Apr 20
12	Due Apr 21	13	Due Apr 22	14	Due Apr 23	15	Due Apr 24	16	Due Apr 25	17	Due Apr 26	18	Due Apr 27
19	Due Apr 28	20	Due Apr 29	21	Due Apr 30	22	Due May 01	23	Due May 02	24	Due May 03	25	Due May 04
26	Due May 05	27	Due May 06	28	Due May 07	29	Due May 08	30	Due May 09	31	Due May 10		
Notes	:	1		1		1		1		1		1	

August

SPRING CALVING HERD

Consider limited creep-feeding or early weaning during late summer if pasture is running short.

FALL CALVING HERD

Calving season begins.

Cows should be moved to a clean, accessible pasture for calving.

Identify calf with ear tag and/or tattoo while it is young and easy to handle. Record dam ID and birth date. Commercial male calves should also be castrated and, if feedlot program allows, implanted according to product recommendations. Castration and dehorning are less stressful when performed on young animals. Registered calves should be weighed during the first 24 hours following birth.

If applicable, schedule AI technicians.

Record the identification number of the first calf born on the appropriate calendar date to serve as a record for a PVP program.

For neo-natal calves, administer oral antibodies for disease-causing organisms on farm as recommended by veterinarian.

MANAGEMENT

Repair and improve corrals for fall working and weaning.

Watch for cattle consuming poisonous plants.

MARKETING/BUSINESS

Determine if yearling steer prices have peaked for the pasture season.

For fall calving herds: Inform tax preparer of sales of unbred heifers in the breeding pool because they are considered breeding livestock by the IRS.

RANGE

On publicly grazed lands, coordinate activities with a range conservationist. Have an open line of communication.

Record the level of grazing use by date. Determine if your grazing objectives are met.

Herding and supplements to improve grazing distribution.

FORAGES

Continue hay harvest.

Assess need for weed control.

Test soils of fields to be seeded in fall and to determine pasture fertilization and lime needs.

Determine species and varieties to be seeded in fall.

Begin stockpiling forage for fall use.

August 2009

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	Notes:	1	1		1

September

SPRING CALVING HERD

Pre-weaning working

Consult your veterinarian on the merits of a pre-weaning working of the herd, which may include implementing steps of preconditioning protocol, such as booster vaccinations, deworming, etc.

Pregnancy check and consider selling open cows and heifers, and those weaning poor calves..

Treatment of cows for grubs and lice.

Deworm if retaining calves more than 30 days.

Creep-feeding may give extra gain and prepare calves for eating dry feed at weaning.

FALL CALVING HERD

Fall calving continues.

Check calving pastures frequently.

Identify calf with ear tag and/or tattoo while it is young and easy to handle. Record dam ID and birth date. Commercial male calves should also be castrated. Castration and dehorning are less stressful when performed on young animals. Registered calves should be weighed during the first 24 hours following birth.

Line up AI sires and/or purchase new bulls at least 30 days prior to observation to select the bull that best fits your program and budget. Quarantine cow herd and bulls from other sources for at least 30 days.

Have veterinarian perform breeding soundness evaluations on bulls.

Evaluate yearling replacement heifers for pelvic area, reproductive tract score, and weight. Heifers should reach their target weight of 65% of expected mature weight by breeding season.

For neo-natal calves, administer oral antibodies for disease-causing organisms on farm as recommended by veterinarian.

MARKETING/BUSINESS

For fall calving herds: Inform tax preparer of sales of unbred heifers in the breeding pool because they are considered breeding livestock by the IRS.

For spring calving herds: Evaluate your marketing plans: 1) selling calves at weaning, 2) backgrounding calves for sale January-March next year and 3) retained ownership and finishing the calves.

Decide how many heifers will need to be held back for replacements.

Decide if cull cows will be sold this fall or wintered and sold next spring.

Inventory your potential winter feed supply and decide if you need to purchase other feed sources. Compare actual year-to-date cash flow expenditures to your planned expenditures. Make changes in cash flow and marketing plan needed to meet financial commitments.

RANGE

Make a utilization map for all grazed pastures and use it to plan for the next year.

Assess establishment of new range plant seedings and determine if they are well rooted. This will aid in scheduling grazing at a safe time.

Monitor.

FORAGES

Continue hay harvest.

Plant perennial grasses at optimal rate, date and depth.

September 2009

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			
Notes:			I	 	I	I

October

SPRING CALVING HERD

Wean the calves.

Give any necessary booster vaccinations to calves based on veterinarian recommendations.

Pregnancy check and consider selling open cows and heifers and those weaning poor calves.

Put thin cows (body condition score less than 5) on high-quality feed or pasture.

Obtain cow and calf weights at weaning and see your county Extension agent for information on record keeping programs. Cull cows based on performance and pregnancy status and make initial heifer selections, keeping at least 20% more than you intend to retain for the next breeding season.

Keep back the best of the heifer calves born during the first half of the calving season as replacements.

Utilize low-stress weaning; such as fenceline weaning.

Deworm cow herd as needed or on veterinarian recommendation.

FALL CALVING HERD

Prepare for breeding season.

Line up AI services and/or purchase a replacement bull at least 45 days prior to the start of the breeding season. Choose a breed and use EPDs plus visual observation to select the bull that best fits your production and marketing program. Quarantine bull purchases.

Have a veterinarian perform breeding soundness evaluations on bulls.

If you are going to use artificial insemination and/or estrus synchronization, make plans now and order needed supplies and semen.

Make final selection of heifer replacements based on weight, pelvic size, and reproductive tract score.

Record the identification number of the last calf born on the appropriate calendar date to serve as a record for a PVP program.

Collect ear notches of calves and send in for BVD testing prior to breeding.

MANAGEMENT

Check teeth of older cows. Cows with poor teeth don't maintain their weight.

MARKETING/BUSINESS

Plan your calf marketing program. Alternatives include: direct marketing, special feeder calf sales, weekly auction markets, private treaty sales to dealers or feeders, back grounding the calves yourself, or retaining ownership through the feedlot.

Prepare affidavit (documentation) for mCOOL compliance.

Inform tax preparer if the cows and heifers were raised or purchased.

Prepare an income tax estimate for this year. This will allow you to practice tax management for the rest of the year by adjusting expenditures and/or income to maximize after-tax income.

If not done so already, decide if cull cows will be sold this fall or wintered and sold in the spring.

RANGE

Make an overall utilization map for all grazed pastures. Use the information that has been developed previously during the season. Use the map in planning for the next year.

Assess the degree of seedling establishment for new range seedlings. Are they well rooted? When can grazing be safely scheduled?

Gathering, fix fence, post-grazing photos, and monitoring.

Evaluate monitoring date and this year's grazing management and develop plan for next year.

FORAGES

Apply phosphate, potash, lime, etc. according to soil test recommendations.

Graze crop residues (beware of grazing restrictions on certain crop herbicides).

Beware of prussic acid (cyanide) poisoning from grazing summer annual grasses following frost.

Start inventory of hay supplies and needs and test hay quality.

Consider broadleaf weed control in grass pastures.

Fall is an excellent time to control perennial weeds.

October 2009

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
Notes:						

November

SPRING CALVING HERD

Obtain cow and calf weights and see your county Extension agent for information on record keeping programs. Cull cows based on performance and pregnancy status and make initial heifer selections, keeping more than you intend to retain for the next breeding season.

Evaluate body condition (BCS) of cows after weaning their calves. Sort thin cows (BCS<5) away from the main cow herd so they can receive extra feed, if needed.

Dry cows can utilize crop residues and poor-quality hay but don't let them lose too much weight. Save higher-quality feeds until calving time.

Replacement heifers should gain at an adequate rate to reach their breeding season. Choose a breed and use EPDs and visual "target" breeding weight (65% of mature weight) by March 1.

Increase feed to cows 45–60 days prior to calving.

FALL CALVING HERD

Breeding season begins.

Pre-breeding work. Consult your veterinarian about vaccines and health products your herd needs. These may include:

- Deworming cows.
- Vaccinating cows for Lepto (5-way), IBR, BVD, and Vibrio.
- Vaccinating calves for clostridial diseases (blackleg) and IBR; PI3-BVD-BSRV.

Dehorn, castrate, and ID calves (e.g., ear tag, brand, tattoo) if not already completed.

Cows with calves need 25 or 30 pounds of good quality hay or its equivalent daily. Supplement with grain, if needed.

Start breeding cows by November 1 for fall calving to begin in August.

Observe performance of bulls during breeding season. If the number of cows returning to estrus is large, try to determine the cause and consider changing bulls.

At beginning of breeding season, record inventory of all cows in each breeding pasture. Record the identification number of the last calf born on the appropriate calendar date to serve as a record for a PVP program.

MARKETING/BUSINESS

Arrange for purchase of hay/forage for winter feeding program.

FORAGES

Begin using stockpiled forages, winter rye, or brassica's as needed. After a killing frost, fall alfalfa can be grazed or mowed. Use crop residues as needed or available. Continue inventory of hay supplies and needs. Continue testing hay for nutrient content. Graze stockpiled forages if available. Frost seed pastures depending on location.

RANGE

Consider photo monitoring. Protein supplements for fall/winter range grazing.

MANAGEMENT

Monitor cow herd for lice and use dusters, pour-on, or injectables.

November 2009

Sunda	у	Mond	ay	Tuesda	ay	Wedne	esday	Thurso	day	Friday		Saturc	lay
1	Due Aug 11	2	Due Aug 12	3	Due Aug 13	4	Due Aug 14	5	Due Aug 15	6	Due Aug 16	7	Due Aug 17
8	Due Aug 18	9	Due Aug 19	10	Due Aug 20	11	Due Aug 21	12	Due Aug 22	13	Due Aug 23	14	Due Aug 24
15	Due Aug 25	16	Due Aug 26	17	Due Aug 27	18	Due Aug 28	19	Due Aug 29	20	Due Aug 30	21	Due Aug 31
22	Due Sep 01	23	Due Sep 02	24	Due Sep 03	25	Due Sep 04	26	Due Sep 05	27	Due Sep 06	28	Due Sep 07
29	Due Sep 08	30	Due Sep 09										
Notes	:	1		1		1		1		1		1	

December

SPRING CALVING HERD

Begin winter feeding.

Divide the herd into groups for winter feeding, which may include:

- Weaned calves.
- First and second-calf heifers and thin cows.
- The remainder of the dry cows that are in good body condition.
- Herd sires.

Feed the lowest quality forage to mature dry cows during early winter.

Be sure that we aned heifer calves are on "target" and being fed so that they weigh 65% of mature weight by 14 to 15 months of age.

FALL CALVING HERD

Breeding season ends.

Cows nursing calves need 25 to 30 pounds of good quality hay, or its equivalent, daily throughout the breeding season.

Remove bulls December 31 to end the breeding season for the last calves to be born by October 10.

Finish castrating, dehorning, implanting, and branding.

Provide clean windbreaks and shelter for young calves.

MANAGEMENT

Record all cow deaths, purchases, sales and movements among pastures.

Review this year's calf crop and start plans for next year's breeding program.

Plan to attend educational meetings to update your knowledge of beef production.

Develop criteria for bulls to be purchased and start attending bull sales.

If considering an AI program next year, attend a training school in your area.

Increase Total Digestible Nutrients (TDN) of the diet by 1 percent for every 1 degree below freezing.

MARKETING/BUSINESS

Study past year's marketing prices and compare to the last few years. Determine location of the beef price cycle. Evaluate your last year's market plan and establish why your actual experience deviated from the plan.

Develop your winter feeding program based on current feed inventories and daily feed requirements of each type of cattle in the inventory.

FORAGES

Graze stockpiled forages if available. Frost seed pastures depending on location.

December 2009

Sunda	У	Mond	ay	Tuesda	ay	Wedne	esday	Thurso	day	Friday		Saturc	lay
				1	Due Sep 10	2	Due Sep 11	3	Due Sep 12	4	Due Sep 13	5	Due Sep 14
6	Due Sep 15	7	Due Sep 16	8	Due Sep 17	9	Due Sep 18	10	Due Sep 19	11	Due Sep 20	12	Due Sep 21
13	Due Sep 22	14	Due Sep 23	15	Due Sep 24	16	Due Sep 25	17	Due Sep 26	18	Due Sep 27	19	Due Sep 28
20	Due Sep 29	21	Due Sep 30	22	Due Oct 01	23	Due Oct 02	24	Due Oct 03	25	Due Oct 04	26	Due Oct 05
27	Due Oct 06	28	Due Oct 07	29	Due Oct 08	30	Due Oct 09	31	Due Oct 10				
Notes	:	<u> </u>		1		1		1		1		<u> </u>	

Marketing Age- and Source-Verified Beef Cattle/mCOOL

The domestic and international market system has influenced the creation of a number of alliances and programs to address the demand for source- and age-verified beef cattle. Source and/or age verified programs utilize the RFID tag technology to record and verify the sources and ages of beef cattle to fit end use programs, such as the Japanese Beef Export Verification program and customer demand from Wal-Mart[™] and McDonald's[™] for verified product. Costs to producers for involvement in any of the private source and/or age verified programs will depend on the program the producer chooses to join; however, anticipated costs will include the tag and a database management fee charged by the national database company. The key elements of a source and/or age verified program include:

- Animal identification tag.
- Source information (could be USDA premises identification number).
- Age information through some form of a birth date, birth month, birth quarter, etc.
- Data stored in a national database and records maintained at the ranch.

Today, more and more downstream beef marketing programs are demanding that cattle be part of an auditable and verifiable program in order to better guarantee quality or attribute claims. Both USDA programs, Quality System Assessment (QSA) and Process Verified Program (PVP), are important for the industry and involve third-party USDA audits.

- QSAs provide suppliers of agricultural products such as processors or feedlots the opportunity to assure customers of their ability to provide consistent quality products. It is limited to programs or portions of programs where specified product requirements such as source or age are supported by a documented quality management system. Because of this, QSAs are often very specific in their defined claims and processes, and offer very little flexibility to individual participants.
- A process-verified program is a quality management system that is implemented by a company or business entity to provide products or services which consistently meet specified product requirements.

PVPs can cover a broader variety of claims and offer greater flexibility for participants to define their claims and processes, but in turn require a higher level of auditing. Because of the higher level of auditing associated with process verified programs, most packer and feedlot QSAs will accept cattle from a PVP supplier without requiring additional auditing, since the PVP is responsible for ensuring the auditability and verifiability of the participant's information.

Qualifying Cattle for Export to Japan

Calves must be enrolled in a Process Verified Program (PVP) or Quality System Assessment (QSA) program approved and audited by USDA in order to qualify for

export to Japan. A number of data management companies, packing plants, and breed associations have PVPs in place for producers to join. (See *http://processverified. usda.gov/*). Be sure to check with your buyer and/or feeder to make sure you are meeting their QSA requirements or enroll your cattle in a PVP.

Mandatory Country of Origin Labeling (mCOOL)

Mandatory Country of Origin Labeling became effective September 30, 2008 and requires that retail packages of beef, pork, chicken, lamb, and goat have a label informing consumers as to the product's country of origin. Muscle cuts and ground products are covered under mCOOL, however products sold through food service and processed meat products that are changed in character due to cooking, drying, curing, smoking, or are combined with other products are excluded from mCOOL labeling requirements.

A cow-calf producer, who directly or indirectly supplies beef to packers, is responsible to have records to substantiate the country of origin of their calves, cull cows and bulls. These records may be called for in the event of a USDA audit.

A producer affidavit is acceptable evidence to use to initiate the origin claim, as long as it is made by someone having first-hand knowledge of the origin of the animal(s) and identifies them unique to the transaction. Herd or birth records, feed purchases, animal health or vaccine purchases that document the normal level of production can verify the origin of calves. When animals are sold, producers will provide an affidavit to the buyer stating the origin and the existence of such records. Producers should keep a copy of the affidavit noting the buyer and/or the date and location of the sale. Mandatory Country of Origin Labeling also covers meat from breeding animals which means that producers need to keep records of raised animals used for breeding and should request origin affidavits for any purchased cows or bulls.

A broad-based industry coalition recently developed affidavits/declaration statements that will be used to document origin information on animals as they move through production and marketing channels. You can download the affidavits from the this web site at *http://www.beefusa.org/uDocs/countryoforiginaffidavit453.pdf*.

Producers who use the National Animal Identification System (NAIS) have met the requirements for mCOOL. Producers who participate in a USDA approved age-/source-verified program have also met requirements for mCOOL. For information on NAIS go to *http://animalid.aphis.usda.gov/nais/* or for the Washington State Animal ID System (WSAIS) go to *http://agr.wa.gov/FoodAnimal/ Animal_Premise/WSAIS.htm*.

Calves, cows, and bulls born prior to July 15, 2008 will automatically qualify under mCOOL.

For more information, go to http://www.countryoforiginlabel.org/.

Gestation Table (Based on a 283-Day Gestation Period)

January 1 January 2 January 3 January 4	October 10 October 11	March 1	December 9	May 1	February 8	July 1	April 10	September 1	June 11	November 1	August 11
January 3	October 11					july i	, ipin 10	September i	june n		August I I
		March 2	December 10	May 2	February 9	July 2	April 11	September 2	June 12	November 2	August 12
January 4	October 12	March 3	December 11	May 3	February 10	July 3	April 12	September 3	June 13	November 3	August 13
	October 13	March 4	December 12	May 4	February 11	July 4	April 13	September 4	June 14	November 4	August 14
January 5	October 14	March 5	December 13	May 5	February 12	July 5	April 14	September 5	June 15	November 5	August 15
January 6	October 15	March 6	December 14	May 6	February 13	July 6	April 15	September 6	June 16	November 6	August 16
January 7	October 16	March 7	December 15	May 7	February 14	July 7	April 16	September 7	June 17	November 7	August 17
January 8	October 17	March 8	December 16	May 8	February 15	July 8	April 17	September 8	June 18	November 8	August 18
January 9	October 18	March 9	December 17	May 9	February 16	July 9	April 18	September 9	June 19	November 9	August 19
January 10	October 19	March 10	December 18	May 10	February 17	July 10	April 19	September 10	June 20	November 10	August 20
January 11	October 20	March 11	December 19	May 11	February 18	July 11	April 20	September 11	June 21	November 11	August 21
January 12	October 21	March 12	December 20	May 12	February 19	July 12	April 21	September 12	June 22	November 12	August 22
January 13	October 22	March 13	December 21	May 13	February 20	July 13	April 22	September 13	June 23	November 13	August 23
January 14	October 23	March 14	December 22	May 14	February 21	July 14	April 23	September 14	June 24	November 14	August 24
January 15	October 24	March 15	December 23	May 15	February 22	July 15	April 24	September 15	June 25	November 15	August 25
January 16	October 25	March 16	December 24	May 16	February 23	July 16	April 25	September 16	June 26	November 16	August 26
January 17	October 26	March 17	December 25	May 17	February 24	July 17	April 26	September 17	June 27	November 17	August 27
January 18	October 27	March 18	December 26	May 18	February 25	July 18	April 27	September 18	June 28	November 18	August 28
January 19	October 28	March 19	December 27	May 19	February 26	July 19	April 28	September 19	June 29	November 19	August 29
January 20	October 29	March 20	December 28	May 20	February 27	July 20	April 29	September 20	June 30	November 20	August 30
January 21	October 30	March 21	December 29	May 21	February 28	July 21	April 30	September 21	July 1	November 21	August 31
January 22	October 31	March 22	December 30	May 22	March 1	July 22	May 1	September 22	July 2	November 22	September 1
January 23	November 1	March 23	December 31	May 23	March 2	July 23	May 2	September 23	July 3	November 23	September 2
January 24	November 2	March 24	January 1	May 24	March 3	July 24	May 3	September 24	July 4	November 24	September 3
January 25	November 3	March 25	January 2	May 25	March 4	July 25	May 4	September 25	July 5	November 25	September 4
January 26	November 4	March 26	January 3	May 26	March 5	July 26	May 5	September 26	July 6	November 26	September 5
January 27	November 5	March 27	January 4	May 27	March 6	July 27	May 6	September 27	July 7	November 27	September 6
January 28	November 6	March 28	January 5	May 28	March 7	July 28	May 7	September 28	July 8	November 28	September 7
January 29	November 7	March 29	January 6	May 29	March 8	July 29	May 8	September 29	July 9	November 29	September 8
January 30	November 8	March 30 March 31	January 7	May 30	March 9	July 30	May 9	September 30	July 10	November 30	September 9
January 31	November 9		January 8	May 31	March 10	July 31	May 10	October 1	July 11	December 1	September 10
February 1	November 10	April 1	January 9	June 1	March 11	August 1	May 11	October 2	July 12	December 2	September 11
February 2 February 3	November 11 November 12	April 2 April 3	January 10 January 11	June 2	March 12 March 13	August 2	May 12	October 3 October 4	July 13 July 14	December 3 December 4	September 12 September 13
February 4	November 12	April 4	January 12	June 3 June 4	March 14	August 3 August 4	May 13 May 14	October 5	July 14 July 15	December 5	September 14
February 5	November 14	April 5	January 12	June 5	March 15	August 5	May 15	October 6	July 16	December 6	September 15
February 6	November 15	April 6	January 14	June 6	March 16	August 6	May 16	October 7	July 17	December 7	September 16
February 7	November 16	April 7	January 15	June 7	March 17	August 7	May 17	October 8	July 18	December 8	September 17
February 8	November 17	April 8	January 16	June 8	March 18	August 8	May 18	October 9	July 19	December 9	September 18
February 9	November 18	April 9	January 17	June 9	March 19	August 9	May 19	October 10	July 20	December 10	September 19
February 10	November 19	April 10	January 18	June 10	March 20	August 10	May 20	October 11	July 20	December 11	September 20
February 11	November 20	April 11	January 19	June 11	March 21	August 11	May 21	October 12	July 22	December 12	September 21
February 12	November 21	April 12	January 20	June 12	March 22	August 12	May 22	October 13	July 23	December 13	September 22
February 13	November 22	April 13	January 21	June 13	March 23	August 13	May 23	October 14	July 24	December 14	September 23
February 14	November 23	April 14	January 22	June 14	March 24	August 14	May 24	October 15	July 25	December 15	September 24
February 15	November 24	April 15	January 23	June 15	March 25	August 15	May 25	October 16	July 26	December 16	September 25
February 16	November 25	April 16	January 24	June 16	March 26	August 16	May 26	October 17	July 27	December 17	September 26
February 17	November 26	April 17	January 25	June 17	March 27	August 17	May 27	October 18	July 28	December 18	September 27
February 18	November 27	April 18	January 26	June 18	March 28	August 18	May 28	October 19	July 29	December 19	September 28
February 19	November 28	April 19	January 27	June 19	March 29	August 19	May 29	October 20	July 30	December 20	September 29
February 20	November 29	April 20	January 28	June 20	March 30	August 20	May 30	October 21	July 31	December 21	September 30
February 21	November 30	April 21	January 29	June 21	March 31	August 21	May 31	October 22	August 1	December 22	October 1
February 22	December 1		January 30	June 22	April 1	August 22	June 1	October 23		December 23	October 2
February 23	December 2				April 2	August 23	June 2	October 24		December 24	October 3
February 24	December 3		February 1	June 24		August 24	June 3	October 25	August 4	December 25	October 4
February 25	December 4	April 25	February 2	June 25	April 4		June 4	October 26	August 5	December 26	October 5
February 26	December 5	April 26	February 3	June 26	April 5		June 5	October 27	August 6	December 27	October 6
February 27	December 6	April 27	February 4	June 27	April 6	August 27	June 6	October 28	August 7	December 28	October 7
February 28	December 7	April 28	February 5	June 28	April 7	August 28	June 7	October 29	August 8	December 29	October 8
February 29	December 8	April 29			April 8	August 29	June 8	October 30	August 9	December 30	October 9
		April 30	February 7	June 30	April 9	August 30	June 9	October 31	August 10	December 31	October 10
						August 31	June 10				

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks
631	801	AN31	3-15	85	В	550	Calf Died

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Cow ID	Calf ID	Sire ID	Birth Date	Birth Wt.	Sex	Wean Wt.	Remarks

Washington State University Extension County Phone Numbers

County	Phone Number	Office Location	County	Phone Number	Office Location
Adams	509-659-3209	Ritzville	Klickitat	509-773-5817	Goldendale
Asotin	509-243-2009	Asotin	Lewis	360-740-1212	Chehalis
Benton	509-735-3551	Kennewick	Lincoln	509-725-4171	Davenport
Benton	509-786-5609	Prosser	Mason	360-427-9670 x690	Shelton
Chelan	509-667-6540	Wenatchee	Okanogan	509-422-7245	Okanogan
Clallam	360-417-2279	Port Angeles	Pacific	360-875-9331	South Bend
Clark	360-397-6060	Brush Prairie	Pend Oreille	509-447-2401	Newport
Columbia	509-382-4741	Dayton	Pierce	253-798-7180	Tacoma
Cowlitz	360-577-3014	Kelso	San Juan	360-378-4414	Friday Harbor
Douglas	509-745-8531	Waterville	Skagit	360-428-4270	Mount Vernon
Ferry	509-775-5235	Republic	Skamania	509-427-3930	Stevenson
Ferry	509-634-2304	Nespelem	Snohomish	425-338-2400	Everett
Franklin	509-545-3511	Pasco	Spokane	509-477-2048	Spokane
Garfield	509-843-3701	Pomeroy	Stevens	509-684-2588	Colville
Grant	509-754-2011 x413	Ephrata	Thurston	360-786-5445	Lacey
Grays Harbor	360-482-2934	Elma	Wahkiakum	360-795-3278	Cathlamet
Island	360-679-7327	Coupeville	Walla Walla	509-524-2685	Walla Walla
Jefferson	360-379-5610	Port Hadlock	Whatcom	360-676-6736	Bellingham
King	206-205-3100	Renton	Whitman	509-397-6290	Colfax
Kitsap	360-337-7157	Port Orchard	Yakima	509-574-1600	Yakima
Kittitas	509-962-7507	Ellensburg			



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