

Name	
Veterinarian's name	
Date of visit	OSHP #

This form is intended to introduce topics you may wish to discuss with your veterinarian. You do not need to use all the management practices notes on the form to be certified with the program (i.e. organic producers are not required to use chemical dewormers etc.).

Chapter and page references (Ch # ; pg. #) to the Introduction to Sheep Production manual are given in each section to provide you with additional information. It is not mandatory for you to comply with any of the recommendations given in the manual to be certified with the program.

Red flags are listed in each management area. You may wish to pay attention to those areas during the veterinary visit.

You can use the check boxes to note the practices you use and discuss with your vet.

The notes/recommendations section may be used by the producer to comment on current flock management practices or by the veterinarian to record recommendations.

## Understanding your operation

Type of operation	
Products marketed and how	
Breeds used	
Size of breeding flock	
Circle one: Increasing / Decreasing / Status quo	Other

Management area	Notes and recommendations	
A. Reproductive Management		
Reproductive management of both ewes and rams is important to ensu	re you are achieving a high efficiency from	
each ram exposure – proportion of ewes lambing, number of lambs born per ewe, and length of lambing season.		
Reg flags:		
Pregnancy/lambing rates are low; lambing season is long.		
Prolificacy is low based on flock goals (see Productivity Calculat	ions and Goals form).	
Ewes (Ch. 6; pg. 75)		
□ Pre-breeding flushing (nutritional)		
(Ch. 6; pg. 75, Ch. 7; p. 119)		
□ Synchronization of estrus:		
□ Hormonal (Ch. 6; p. 83-84)		
$\Box$ Light manipulation (Ch. 6; p. 82-83)		
Ram effect (Ch. 6; p. 76)		
$\square$ Appropriate ram to ewe ratio (Cn. 6; p. 80)		
$\Box$ Appropriate length of exposure (cli. 0, p.75)		
Ultrasound/fetal counting		
Teaser ram with marker harness		
Rams (Ch. 6: p. 78)		
Appropriate pre-breeding management of rams (Ch. 6: p. 78, Ch. 7: p.		
123. Ch. 11: p. 218)		
Breeding soundness examination (Ch. 5; p. 68, Ch. 6; p. 78-79)		
Ram marker harness during breeding (Ch. 6; p. 80)		
B. Lambing time diseases of ewes		
Prevention of pregnancy toxaemia (PT)		
Red flags:		
You have had ewes die or show signs of PT in late pregnancy		
(Ch. 8; p.157).		
You typically do not provide ewes in late pregnancy with		
grain or high-quality forage.		
Proper management of late gestation nutrition (Ch. 7; p. 120)		
☐ Knowledge of the early detection and treatment of PT (Ch. 8; p. 157)		
Control of abortion		
Red flag:		
If more than 5% of ewes aborted last breeding or if abortions		
occur as a cluster in time or with an increased number of		
stillbirths and weak lambs.		
Note: Pregnant women should avoid handling ewes during lambing as		
many abortion-related diseases can affect human and unborn babies.		
Appropriate management of abortions (Ch. 8; p. 159)		
Methods for controlling abortions (Ch. 8; p, 159-161)		
□ Vaccination (for which disease(s)?)		
Prevention of vaginal prolanse		
More than 2% of program ower develop this condition		
$\square \text{ Minimize risk factors (Ch. 7: p. 117: Ch. 9: p. 159)}$		
Management of prolapses		
monitor number of ewes that prolapse		
□ Treatment		
□ Culling		

C. Improving survival of lambs	
Many factors will contribute to your final lamb count including manager	ment of ewes before lambing, how diligent you
are in checking and assisting lambing ewes, and the quality of care given to lambs after birth.	
Red flags:	
Have more than 5% of lambs born dead (still births).	
Of those that are born alive, more than 5% of lambs die before	weaning.
Have an "annoving" number of lambs being bottle fed.	č
Poorer than expected pre-weaning lamb growth.	
Lambs routinely fail to thrive or die shortly after weaning.	
Pre-lambing management	
Appropriate ewe management 3 to 6 weeks prior to first expected	
lambing date (Ch. 6; p. 86)	
Lambing supplies on hand (Ch. 6; p. 86 and 90)	
Housing management of close-up ewes	
Frequency of observation of close-up ewes	
Lambing management	
□ Assistance of lambing (Ch. 6; p. 86)	
Check milk availability/quality	
□ Use of claiming pens (Ch. 6; p. 91)	
Processing of newborns (Ch. 6; p. 91-93)	
Colostrum management/amount (Ch. 6; p. 98, Ch. 7; p. 121)	
Prevention and treatment of hypothermia/starvation of lambs	
(Ch. 6; p. 94-99)	
Management strategy for weak/chilled lambs (Ch. 6; p. 94)	
Minimize risk factors for chilling and starvation (Ch. 6; p. 95-99)	
Failure of ewes to raise lambs	
Do you routinely investigate and record the reasons ewes fail to raise	
their lamb(s)? e.g. insufficient milk, mismothering, illness, etc.)	
Effective cross-fostering management (Ch. 6; p. 93)	
Effective artificial rearing management	
Milk replacer: type, delivery method, length of time (Ch. /; p. 121)	
Li Routine pre-breeding check of udders (Ch. 5; p. 68)	
$\Box$ Minimize risk factors (cf. 8; p. 162)	
Treatment of mastitis (Ch. 8: p. 162)	
Investigation of lamb deaths	
$\Box$ Do you routinely perform percensy on lambs to determine approximate	
time of death (e.g. stillborn) and possible cause of death?	
$\Box$ Do you routinely record details of all lamb mortalities? (Ch. 4: p. 58 + form	
provided)	
Other lamb diseases	
Does your flock have significant losses from the following diseases? Are you	
aware of the signs, control and treatment of the following diseases?	
🗆 Neonatal diarrhea (Ch. 8; p. 149)	
Pneumonia (Ch. 8; p. 152)	
Urolithiasis (water belly) (Ch. 8; p. 163)	
□ Soremouth / Orf / Contagious Ecthyma (Ch. 8; p. 164)	
□ Pink eye (Ch. 8; p. 164)	
Management of weaning	
Appropriate age at weaning	
□ Management before and after weaning (Ch. 6; p. 106; Ch. 7; p. 121-122)	

D. Nutritional diseases	
Nutritional management of flock	
Red flags:	
A sizeable portion of the adult sheep in the flock are either	
over or under conditioned.	
Evidence of nutritional deficiencies such as poor reproductive	
performance and poor wool quality.	
□ Routine body condition scoring (Ch. 7; p. 118; Fact sheet in Appendix)	
Sort and feed ewes based on body condition score	
□ Analyze nutrients of forages (Ch. 7; p. 112)	
□ Ration formulated by nutritionist (Ch. 7; p. 115)	
Implement a mineral/salt feeding program (Ch. 7; p. 114-115)	
Prevention of vitamin E Selenium deficiency (White Muscle	
Disease)	
Red flags:	
Your farm or the area where your forages are grown is low in	
soil Selenium (many areas of Ontario).	
You have had lambs showing typical signs of White Muscle	
Disease (Ch. 8; p. 150)	
Inject with vitamin E/Selenium products	
Ewes or lambs?	
Add Selenium or vitamin E to rations	
Ewes or lambs? What level?	
Prevention of Copper Toxicity	
Red flag:	
Sudden death, particularly after a stressful event. Typically,	
more than one animal in the flock will be affected. Affected	
animals may show jaundice and dark urine (Ch. 8, p. 150)	
☐ Minimize sources of copper from feed and environment	
Prevent molybdenum deficiency	
L lest forages for copper routinely	
Prevention of clostridial diseases (Pulpy Kidney,	
Enterotoxaemia; Tetanus, etc.)	
Red flags:	
Sudden death of previously healthy lambs most commonly	
between 2 and 12 weeks or in weaned lambs (Pulpy Kidney:	
Ch.8; p. 149)	
Sudden onset of bloody diarrhea in lambs typically under 3	
weeks of age (Enteritis: Ch. 8; p. 150)	
Limb stiffness or stilted gait in animal with wound or after	
castration or docking of lambs (Tetanus: CH. 8; p. 154)	
U Vaccination program (Ch. 8; p. 138)	
Product used?	
Are of animale?	
Age of animals: $\Box$ Nutritional control measures (Ch. 8: p. 150)	
Age of animals?	

Prevention of grain overload (Lactic Acidosis) and Bloat (Ch. 8;	
p. 148)	
Red flags:	
Lambs on grain that go off feed, laminitis (sore feet), foul-	
smelling diarrhea.	
Deaths due to bloat.	
Liver abscesses at slaughter.	
Proper feeding / bunk management.	
Gradual change in feedlot rations.	
Avoidance of feeds associated with bloat.	
E. Parasitic diseases	
Control of internal parasites (Ch. 8; p. 141-143)	
Red flags:	
Poor lamb growth, may see diarrhea. (Ch. 8; p. 144)	
All sheep operations will benefit from using some form of	
parasite control.	
Anthelmintic use (including organic treatments):	
liming of treatment	
Drugs used, route, dosage – method of calculation Evidence of anthelmintic resistance?	
$\Box$ Other control measures:	
☐ Monitoring of parasite burden – fecal egg count	
□ Pasture management / rotation	
Grazing with other species	
Control of external parasites (Ch. 8; p. 145)	
Red flags:	
Scratching, rubbing of wool, poor growth (keds, lice, mange).	
Evidence of fly strike, maggots and soiled wool.	
Nasal discharge and irritation (Nose Bots)	
Control products used (including organic)	
Pasture management (shelter, fly control)	
Tail docking and shearing	
Control of Coccidiosis (Ch. 8; p. 144 and 149)	
Red flag:	
Typically affects lambs most severely. One or several lambs	
within one pen develop diarrhea (possibly bloody), poor	
growth, 2+ greater occysts on fecal examination	
Type, dosage, concentration, delivery method, to whom	
Prevention of Dog Tapeworm damage	
Red flag:	
Lamb livers or entire carcasses condemned at slaughter due	
to cysts, larval tracts or scars ( <i>Cysticercus tenucollis / Taenia</i>	
hvdatigenia: Cysticercus ovis / Taenia ovis).	
□ Farm dogs routinely treated for tapeworms?	
□ Farm dogs allowed to eat uncooked sheep carcasses/offal?	
F. Predator losses	
Predator control (Ch. 10; p. 209-217)	
Red flag:	
History of sheep loss from predation.	
Guard animals	
Electric fences	
□ Other control methods	

G. Diseases causing lameness	
Controlling lameness (Ch. 8; p. 156 and Ch. 9; p. 206-207)	
Red flag:	
Lameness is more than 5% of sheep (foot diseases, foot scald,	
foot abscesses, contagious ovine foot rot, laminitis).	
□ Diagnosis of cause of lameness	
Routinely trim and examine feet	
Management of environment (pasture, yards)	
Treatment of lameness / contagious footrot	
Pasture management	
Foot batning	
Treatment used (zinc sulphate formaldehyde) and	
concentration	
Others: antibiotics, vaccination	
H. Control of diseases which cause wasting in adult sheep	
Investigation of chronic wasting diseases	
Progressive chronic wasting is a primary sign of many important disease	es found in adult sheep. Sheep should be
routinely checked for body condition score. An adult animal suffering fr	om wasting is unusually thin in comparison to
its cohorts, considering ration and stage of production. It is important to	o investigate causes for chronically thin sheep.
as they may be an indication of a costly sub-clinical disease in your flock	Monitoring through necronsy of thin adults
by your veterinarian is one of the most effective ways of identifying the	cause of wasting.
Dental / oral disease (Ch. 8: n. 153)	
Red flag:	
Typically, one animal is affected at a time. Thin adults have	
gingivitis: incisor loss pre-molar loss osteomyelitis other	
diseases of the jaw (Lumpy Jaw, check abscesses)	
$\square$ Routinely check thin adults for dental problems	
☐ Minimize risks (appropriate feed)	
Control of Caseous lymphadenitis (CLA) (Ch. 8: p. 153)	
Red flag:	
A common disease that mostly manifests as abscesses in the	
head and neck region however, abscesses in the lungs and	
internal organs are also common. Caused by infection with	
Corvnebacterium pseudotuberculosis. Internally affected	
animals may present with chronic wasting, respiratory	
distress or be asymptomatic.	
□ Vaccination program	
□ Isolation	
Culling	
□ Shearing biosecurity	
Control of Maedi Visna (Ovine Progressive Pneumonia) (Ch. 8;	
p. 152 and 155)	
Red flag:	
Hard bag mastitis; progressive respiratory disease in adult	
sheep.	
Control program (blood testing and culling)	
Biosecurity	

Control of Johne's Disease (Ovine Paratuberculosis) (Ch. 8; p.	
153)	
Red flag:	
Progressive weight loss of adult sheep, may see diarrhea	
See	
Environmental control	
Serology / fecal culture and culling	
Prevention of infection of young stock	
Scrapie status of flock (Ch. 8; p. 155)	
Red flag:	
Neurological disease or wasting of sheep generally two years	
or older.	
Discuss the following with your vet:	
Epidemiology of disease	
Genetics of disease	
<ul> <li>Regulations regarding control / reportable disease</li> </ul>	
<ul> <li>Voluntary Scrapie Flock Certification Program</li> </ul>	
<ul> <li>Description of pathways 1, 2, 3</li> </ul>	
<ul> <li>Monitoring of mature deads</li> </ul>	
<ul> <li>Genetic testing</li> </ul>	
<ul> <li>Third eyelid testing</li> </ul>	
I. Sheep management tools	
Handling facilities (Ch. 2; p. 17)	
Discussion of the need for handling facilities	
Crowding pens; chute; drafting gate; head gate	
Lamb cradle; footbath; stock dog; stanchion	
Carcass quality / safety	
□ Inject sheep subcutaneous, if possible, and always in the neck	
Muzzle dogs when loading lambs for market	
L Always record treatments and follow withdrawals	
Record keeping (Ch. 4; p. 50)	
□ National ID program (Ch. 4; p. 50)	
$\Box$ Other methods of identification (Ch. 4; p. 50)	
Li Treatment records (Canadian Verified Sheep Program or equivalent)	
Current method(s) of information recording	
Lambing diary	
Lindividual cards	
L Software program	
$\square$ Analysis of norfermance	

Make a summary of recommendations on the Flock Health Management Summary Form (FHM-SUM). A copy of this worksheet should be retained by both the flock veterinarian and the flock manager for a minimum of one year.