

# Subject Index

## ASAS Western Section Abstracts

Please note: Numbers following author's name indicate abstract numbers.

- A**  
acid insoluble ash (AIA), 92  
adaptation, 11  
adrenal response, 46  
agriculture, 19  
ammonia, 18, 19  
ammonia-nitrogen, 26  
amylose, 58  
anestrus, 43  
animal waste, 78  
annual forage, 83  
annual legumes, 81  
artificial insemination, 51
- B**  
beef, 69, 78  
beef calves, 71  
beef cattle, 4, 5, 6, 7, 20, 27, 30, 59, 63, 82, 88, 90  
beef cow, 14, 15  
beef cows, 8, 37, 39, 48, 65  
beef heifers, 73  
beef systems, 91  
behavior, 77  
birdsfoot trefoil hay, 26  
birth weight, 75  
bison, 49  
BMPs, 18, 19  
body condition score, 15  
botanical composition, 95  
brown midrib, 103  
bull biostimulation, 43, 50  
bulls, 89  
bunk, 21
- C**  
calves, 10, 68  
calving distribution, 13  
calving ease, 6  
camelina, 29, 33  
carcass, 6  
carcass quality, 13, 80  
carcass trait, 5  
carcass traits, 7  
castration, 80, 102  
cattle, 28, 44  
cellularity, 67  
chile pepper byproduct, 60  
choline, 48  
CIDR, 38, 40, 41, 56  
co-ensiling, 70  
colostrum, 79  
complete blood counts, 45, 54  
compost, 78  
conception rate, 97  
conjugated linoleic acid, 106  
continuous cultures, 26  
corn condensed distillers solubles, 57  
corn grazing, 91  
cortisol, 45  
cost, 42
- cull cows, 72  
cystic follicles, 84
- D**  
dairy, 66  
dairy camel, 106  
data, 88  
DDGS, 98  
DDGS supplementation, 36  
diet composition, 95  
diet digestibility, 60  
digestibility, 58  
digestion, 57  
dormant forage, 12  
drylot, 12
- E**  
early weaning, 91  
economic analysis, 2  
energy, 96  
8-epi-prostaglandin F<sub>2α</sub>, 53  
estrus, 40  
estrus synchronization, 38  
ewe lambs, 100
- F**  
fasting, 47  
fat, 34  
fatty acid composition, 79  
fatty acids, 29, 33  
fecal progesterone, 49  
feeding behavior, 25  
feeding frequency, 21  
feedlot, 71  
feedlot lambs, 98  
feedlot-performance, 89  
fermentation, 62  
fibrolytic enzyme, 101  
field pea, 58  
finishing diet, 101  
finishing lambs, 102  
finishing steers, 70  
first calf heifers, 97  
fixed-time AI, 37, 39, 41  
forage, 57  
forage Intake, 64  
forage quality, 35  
forage yield, 35  
FSH, 47
- G**  
gastrointestinal parasite, 68  
genetic diversity, 74  
genetic parameters, 27, 75  
genotype, 28  
gestation, 62  
glucose, 63  
GnRH, 86  
granulosa cells, 84  
grazing, 35  
grazing behavior, 20, 30
- grazing cows, 64  
grazing native range, 36  
GrowSafe, 25  
growth, 28  
growth hormone, 24  
growth-performance, 93, 94  
GRP, 47
- H**  
harbor seals, 92  
heifer, 3, 38  
heifer development, 12, 16  
heifer pregnancy, 27  
heifers, 61, 62  
heritability, 9  
Holstein cows, 87  
hormones, 31  
horse, 32, 46  
hot weather, 89  
human chorionic gonadotropin, 54
- I**  
in situ, 34, 59  
in vitro, 81  
inbreeding, 74  
infertility, 22  
insulin, 32  
intake, 61  
integrated, 88  
intramuscular fat, 8  
ionophore, 69  
isolation, 45
- J**  
Japanese quail, 93, 94
- L**  
lactation, 20, 61  
lamb, 33, 101  
lambs, 23  
land grant, 1  
leptin, 50  
ley cropping, 83  
linseed meal, 44  
lipopolysaccharide, 105  
litter size, 76  
longevity, 4  
longissimus muscle, 8  
low quality forage, 11  
luteolysis, 53
- M**  
market cows, 72  
maternal nutrition, 67  
maternal obesity, 79  
mature cow weight, 9  
mature cow height, 9  
maturity stage, 100  
medic, 83  
microarray analysis, 84
- microhistology, 95
- N**  
neonatal lambs, 67  
nitrate, 22  
nutrient digestibility, 92  
nutrient digestion, 25  
nutrition, 46
- O**  
oat hay, 100, 103  
oilseed supplementation, 90  
on-ranch EPD, 2  
ovarian activity, 87  
ovulation, 41
- P**  
paternity testing, 2  
performance, 90, 98  
phosphorus, 66  
phytoestrogen, 44  
postpartum, 43, 87  
postpartum anestrus, 50  
postpartum cow, 42  
post-weaning, 65  
preconditioning, 71  
pregnancy, 16  
pregnancy rate, 49  
primiparous heifer, 11  
progesterone, 54, 77  
program balance, 1  
prolactin receptor gene, 76  
prostaglandin F<sub>2α</sub>, 53  
protein, 59, 93, 94  
protein sources, 97  
protein supplementation, 63, 65, 82  
protein supplements, 14  
psyllium, 32  
puberty, 85
- R**  
re-ensiling, 73  
replacement beef heifers, 29  
reproduction, 3, 14, 15, 24, 48, 55, 56, 76, 85  
reproductive performance, 86  
residual feed intake, 5  
retention, 16  
rumen, 104  
rumen fermentation, 105  
rumen-protected choline, 10  
rumensin, 104  
ruminal degradable protein, 34
- S**  
*Saccharomyces cerevisiae* fermentation product, 69  
self-fed, 72  
semen, 51  
sexual behavior, 31  
sheep, 22, 24, 51, 55, 56, 85, 96  
shipping, 99

shrink, 99  
SNP genotype, 3  
sorghum silage, 103  
sows, 86  
stallions, 31  
stayability, 4  
steer, 60, 105  
steers, 36  
stocking density, 30

sulfur, 23  
sunflower oil, 106  
supplementation, 10, 64  
swine, 74  
synchronization, 37, 39, 40, 42  
synchronize, 55

**T**  
tallow, 104  
temperament, 7

testosterone, 77  
thiamin, 23  
tryptophan, 96

**V**  
vaccination, 68

**W**  
warm-season, 81  
WDGS, 21, 70, 73

weaning, 99  
weaning weight, 13  
weaning weight, 75  
winter range, 82

**Z**  
zeranol, 80, 102