

8. Literaturverzeichnis

- Adams, G. P., Matteri, R. L., Kastelic, J. P., Ko, J. C. H., Ginther, O. J. (1992)
Association between surges of follicle – stimulating hormone and the emergence of follicular waves in heifers.
J. Reprod. Fert. 94, 177 - 188
- Amiridis, G. S., Leontides, L., Tassos, E., Kostoulas, P., Fthenakis, G. C. (2002)
Effects of flunixin meglumine on uterine involution and on ovarian resumption in cows with puerperal metritis.
World Buiatrics congress XXII 18. – 23.8.2002, Hannover, 96
- Armstrong, J. D., O`Gormann, J., Roche, J. F. (1989)
Effects of prostaglandin on the reproductive performance of dairy cows.
Vet. Rec. 125, 597 – 600
- Ascher, F., Tainturier, D., Lebreux, B., Fieni, F. (1994)
Luteolytic activity of etiproston, a new prostaglandin analogue, for oestrus induction and synchronization in cycled heifers and cows.
Proc. 18th World Buiatrics Congress: 26th Congress of the Italian Association of Buiatrics, Bologna, Italy, August 29 – September 2, 1994, 1139 – 1142
- Bach, S. (1984)
Die Bedeutung der Überwachung des Puerperiums für die Herdenfruchtbarkeit beim Rind.
Mh. Vet. – Med. 39, 400 – 404
- Barker, A. R., Schrick, F. N., Lewis, M. J., Dowlen, H. H., Oliver, S. P. (1998)
Influence of clinical mastitis during early lactation on reproductive performance of Jersey cows.
J. Dairy Sci. 81, 1285 – 1290

- Barlett, P. C., Kirk, J. H., Wilke M. A., Kaneene, J. B., Mather, E. C. (1986)
Metritis complex in Michigan hostein-frisian cattle: incidence, descriptive epidemiology and estimated economic impact.
Prev. Vet. Med. 4, 235 – 248
- Barr, H. L. (1975)
Influence of estrus detection on days open in dairy herds.
J. Dairy Sci. 58, 246 – 247
- Bartolome, J. A., Archbald, L. F., Morresey, P., Hernandez, J., Tran, T., Kelbert, D., Long, K., Risco, C. A., Thatcher, W. W. (2000)
Comparison of synchronization of ovulation and induction of estrus as therapeutic strategies for bovine ovarian cysts in dairy cow.
Theriogenology 53, 815 – 825
- Bascom, S. S., Young, A. J. (1998)
A summary of reasons why farmers cull cows.
J. Dairy Sci. 81, 2299 – 2305
- Berchtold, M. (1982)
Uteruserkrankungen.
In: Grunert, E. und Berchthold M. (Hrsg.) Fertilitätsstörungen beim weiblichen Rind
2. Auflage, Verlag Paul Parey Hamburg und Berlin, 258 - 284
- Bergmann, J. (1998)
Einfluß der negativen Energiebilanz bei Hochleistungskühen im Puerperium auf die Sensibilität der Hypophyse für GnRH und auf die Veränderung unterschiedlicher indirekter Stoffwechselparameter.
Berlin, Freie Universität, Fachbereich Veterinärmedizin, Dissertation

Brem, G., Kräußlich, H. (1999)

Hereditär bedingte Fruchtbarkeitsstörungen.

in: Grunert, E., und de Kruif, A. (Hrsg.): Fertilisationsstörungen beim weiblichen Rind.

3. Auflage, Parey Buchverlag, Berlin, 301 – 306

Britt, J. H. (1975)

Early postpartum breeding in dairy cows. A review.

J. Dairy Sci. 58, 266 – 271

Britt, J. H. (1985)

Enhanced reproduction and its economic implications.

J. Dairy Sci. 68, 1585 - 1592

Britt, J. H., Scott, R. G., Armstrong, J. D., Whitacre, M. D. (1986)

Determination of estrous behavior in lactating Holstein cows.

J. Dairy Sci. 69, 2195 – 2202

Britt, S. J., Gaska, J. (1998)

Comparison of two estrus synchronization programs in a large, confinement – housed dairy herd.

J. Am. Vet. Med. Assoc. 212, 210 – 212

Burke, J. M., De la Sota, R. L., Risco, C. A., Staples, C. R., Schmitt, E. J.-P.,

Thatcher, W.W. (1996)

Evaluation of timed insemination using a gonadotropin-releasing hormone agonist in lactating dairy cows.

J. Dairy Sci. 79, 1385 - 1393

Busch, W., Gamčík, P. (1987)

Zuchthygienische Kontrolle bei Nutztieren

1.Auflage, Gustav Fischer Verlag, Jena, 25 - 52

Busch, W., Löhe, K., Peter, W. (1991)
Künstliche Besamung bei Nutztieren.
2. Auflage, Gustav Fischer Verlag, Jena

Butler, W. R., Smith, R. D. (1989)
Interrelationships between energy balance and postpartum reproduction function in dairy cattle.
J. Dairy Sci. 72, 767 - 776

Butler, W. R., Elrod, C. C. (1992)
Reproduction in high-yielding dairy cows as related to energy balance and protein intake.
Eighth International Conference on Production Diseases in farm Animals. Bern, Schweiz.

Butler, W. R., Cherney, D. J. R., Elrod, C. C. (1995)
Milk urea nitrogen (MUN) analysis: Field trial results on conception rates and dietary inputs.
Proc. Cornell Nutr. Conf. Feed Manuf., Rochester, NY. Cornell Univ., Ithaca. NY, 89

Canfield, R. W., Sniffen, C. J., Butler, W. R. (1990)
Effects of excess degradable protein on postpartum reproduction and energy balance in dairy cattle.
J. Dairy Sci. 73, 2342 - 2349

Cartmill, J. A., El-Zarkouny, S. Z., Hensley, B. A., Lamb, G. C., Stevenson, J. S. (2001a)
Stage of cycle, incidence, and timing of ovulation, and pregnancy rates in dairy cattle after three timed breeding protocols.
J. Dairy Sci. 84, 1051 – 1059

Cartmill, J. A., El – Zarkouny, S. Z., Hensley, B. A., Rozell, T. G., Smith, J. F., Stevenson, J. F. (2001b)
An alternative AI breeding protocol for dairy cows exposed to elevated ambient temperatures before or after calving or both.
J. Dairy Sci. 84, 799 – 806

- Conn, P. M., Crowley, W. F. (1991)
Gonadotropin-releasing hormone and its analogues.
N. Engl. J. Med. 324, 93 - 103
- Dawson, F. L. M. (1975)
Accuracy of rectal palpation in the diagnosis of ovarian function in the cow.
Vet. Rec. 96, 218 – 220
- De Kruif, A. (1975)
Fertiliteit en subfertiliteit bij het vrouwelijk rund.
Utrecht, Universität., Veterinärmedizinische Fakultät, Dissertation
- De Kruif, A. (1978)
Factors influencing the fertility of a cattle population.
J. Reprod. Fert. 54, 507 - 518
- De Kruif, A. (1992)
Die praktische Anwendung eines Programmes zur Betreuung von Milchviehherden.
Tierärztl. Umsch. 47, 86 – 92
- De Kruif, A., Mijten, P. (1992)
Das Verhältnis zwischen Fütterung und Fruchtbarkeit beim Milchrind.
Berl. Münch. Tierärztl. Wschr. 105. 271 – 279
- De la Sota, R. L., Burke, J. M., Risco, C. A., Moreira, F., DeLorenzo, M. A.,
Thatcher, W. W. (1998)
Evaluation of timed insemination during summer heat stress in lactating dairy cattle.
Theriogenology 49, 761 - 770

- De Vries, M. J., Van der Beek, S., Kaal-Lansbergen, L. M. T. E., Ouveltjes, W., Wilmink, J. B. M. (1999)
Modeling of energy balance in early lactation and the effect of energy deficits in early lactation on first detected estrus postpartum in dairy cows.
J. Dairy Sci. 82, 1927 - 1934
- Dijkhuizen, A. A., Stelwagen, J., Renkena, J.A. (1984)
Economic aspects of reproductive failure in dairy cattle.
Financial loss at farm level.
Prev. Vet. Med. 3, 251 – 263
- Dohoo, I. R., Martin, S. W., Meek, A. H. (1984)
Disease, production and culling in Ontario dairy cattle.
Can. Vet. J. 25, 106 – 110
- Dransfield, M. B. G., Nebel, R. L., Pearson, R. E., Warnick, L. D. (1998)
Timing of insemination for dairy cows identified in estrus by a radiotelemetric estrus detection system.
J. Dairy Sci. 81, 1874 - 1882
- Drillich, M. (1999)
Vergleich des strategischen Einsatzes von ProstaglandinF_{2α} mit konventionellen Methoden des Fruchtbarkeitsmanagements in zwei Milchviehbetrieben.
Berlin, Freie Universität, Fachbereich Veterinärmedizin, Dissertation
- Drillich, M., Tenhagen, B.-A., Heuwieser, W. (2000)
Effect of one spontaneous estrus cycle (after synchronization with PGF_{2α}) on reproductive performance in dairy cows.
Theriogenology 54, 1389 - 1394
- Edmonson, A. J., Lean, I. J., Weaver, L. D., Farver, T., Webster, G. (1989)
A body condition scoring chart for Holstein dairy cows.
J. Dairy Sci. 72, 68 - 78

- Eicker, S. W., Gröhn, Y. T., Hertl, J. A. (1996)
The association between cumulative milk yield, days open, and days to first breeding in New York Holstein cows.
J. Dairy Sci. 79, 235 – 241
- Elmarimi, A. A., Gibson, C. D., Morrow, D., Martenuik, J., Gerloff, B., Melancon J. (1983)
Use of prostaglandin F_{2α} in the treatment of unobserved estrus in lactating dairy cattle.
Am. J. Vet. Res. 44, 1081 - 1084
- Erb, H. N., Gröhn, Y. T. (1988)
Epidemiology of metabolic disorders in the periparturient dairy cow.
J. Dairy Sci. 71, 2557 - 2571
- Erb, H. N., Smith, R. D., Oltenacu, P. A., Guard, C. L., Hillman, R. B., Powers, P. A.,
Smith, M.C., White, M. E. (1985)
Path model of reproductive disorders and performance, milk fever, mastitis, milk yield, and
culling in Holstein cows.
J. Dairy Sci. 68, 3337 – 3349
- Esslemont, R. J. (1992)
Measuring dairy herd fertility.
Vet. Rec. 131, 209 – 212
- Esselmont, R. J., Peeler, E. J. (1993)
The scope for raising margins in dairy herds by improving fertility and health.
Br. Vet. J. 149, 537 - 547
- Etherington, W. G., Bosu, W. T. K., Martin, S. W., Cote, J. F., Doig, P. A.,
Leslie, K. E. (1984)
Reproductive performance in dairy cows following postpartum treatment with gonadotropin
releasing hormone and / or prostaglandin: A field trial.
Can. J. Comp. Med. 48, 245 – 250

- Etherington, W. G., Kelton, D. F., Adams, J. E. (1994)
Reproductive performance of dairy cows following treatment with fenprostalene, dinoprost, or cloprostenol between 24 and 31 days post partum: A field trial.
Theriogenology 42: 739 – 752
- Ferguson, J. D., Galligan, D. T. (1993)
Prostaglandin synchronization programs in dairy herds - part I.
Compend. Contin. Educ. Pract. Vet. 15, 646 – 655
- Ferguson, J. D. (1996)
Diet production and reproduction in dairy cows.
Anim. Feed Sci. Tech. 5, 173 - 184
- Ferry, J. W. (1993)
Dairy reproduction beyond palpation.
The Bovine Practitioner 27, 58 – 60
- Fetrow, J., McClary, D., Harmann, R., Butcher, K., Weaver, L., Studer, E., Ehrlich, J., Etherington, W., Guterbock, W., Klingberg, D., Reneau, S., Williamson, N. (1990)
Calculating selected reproductive indices: Recommendations of the American Association of Bovine Practitioners.
J. Dairy Sci. 73, 78 – 90
- Fetrow, J., Eicker, S., Stewart, S., Rapnicki, P. (2002)
Economics of dairy reproduction.
2. Blockfortbildung Rind, Modul B, Tagungsunterlagen. Würzburg 7.-9. Juni 2002
- Folman, Y., Kaim, M., Herz, Z., Rosenberg, M. (1990)
Comparison of methods for the synchronization of estrous cycles in dairy cows. 2. Effects of progesterone and parity on conception.
J. Dairy Sci. 73, 2817 – 2825

- Fonseca, F. A., Britt, H. J., McDaniel, B. T., Wilk, J. C., Rakes, A. H. (1983)
Reproductive traits of Holsteins and Jerseys. Effects of age, milk yield, and clinical
abnormalities on involution of cervix and uterus, ovulation, estrus cycles, detection of estrus,
conception rate, and days open.
J. Dairy Sci. 66, 1128 – 1147
- Fricke, P. M., Wiltbank, M. C. (1999)
Effect of milk production on the incidence of double ovulation in dairy cows.
Theriogenology 52, 1133 – 1143
- Garnthworthy, P. C., Haresign, W., Chamberlain, A. T. (1989)
Fertility and nutrition.
Dairy cow nutrition; The Veterinary angles 23 – 34
- Geary, T. (1998)
Use of GnRH in synchronizing ovulation for timed insemination in beef cows
IRM Producer Education Seminars, Colorado State University, 5 – 7
- Gebührenordnung für Tierärzte (1999)
Bundesgesetzblatt I: 1691 - 1721
- Glatzel, P., Merck, C. – C. (1992)
Epidemiology of bovine infertility as a herd management problem associated with artificial
insemination.
Wien. Tierärztl. Mschr. 74, 355 – 358
- Griffin, J. F. T., Hartigan, P. J., Nunn, W. R. (1974)
Non – specific uterine Infection and bovine Fertility.
Theriogenology 1, 107 – 113

Gröhn, Y. T., Erb, H. N., McCulloch, C. E., Saloniemi, H. S. (1990)
Epidemiology of reproductive disorders in dairy cattle: Association among host
characteristics, disease and production.
Prev. Vet. Med. 8, 25 – 39

Grunert, E (1996)
Buiatrik, Bd.1, 5. Auflage
Verlag M. & H. Schaper Alfeld – Hannover

Grunert, E. (1990)
in: Dirksen, G., Gründer, H. D., Stöber, M. (1990)
Die klinische Untersuchung des Rindes / Gustav Rosenberger 3. Auflage 1990,
Verlag Paul Parey, Berlin / Hamburg

Grunert, E. (1993)
in: Richter, J. und Götze, R. (Hrsg.): Tiergeburtshilfe.
4. Auflage, Parey Buchverlag, Berlin, 105 - 110

Guilbault, L. A., Rouiller, P., Matton, P., Glencross, R. G., Beard, A. J., Knight, P. G. (1993)
Relationships between the level of atresia and inhibin contents (a subunit and α/β dimer) in
morphologically dominant follicles during their growing and regressing phase of development
in cattle.

Biol. Reprod. 48, 268 - 276

Gustafsson, B. K. (1984)
Therapeutic strategies involving antimicrobial treatment of the uterus in large animals.
J. Am. Vet. Med. Assoc. 185, 1194 – 1198

Gwazdaukas F.C. (1985)
Effects of climate on reproduction in cattle
J. Dairy Sci. 68: 1568 – 1578

Hansel, W., Malven, P. V., Black, D. L. (1961)

Estrus cycle regulation in the bovine.

J. Anim. Sci 20, 621 - 628

Haug, S., Claus, R. (1983)

Erste Erfahrungen zum Nachweis von Frühbesamungen durch Progesteronbestimmungen am Tag 0 und Tag 1 (0/1 Test).

Zuchthyg. 18, 210 – 215

Heuwieser, W., Mansfeld, R. (1992)

Beurteilung der Körperkondition bei Milchkühen. Wie Sie Ihre Herde durch die Beurteilung der Körperkondition besser in den Griff bekommen.

Milchpraxis 30, 10 – 14

Heuwieser, W., Ferguson, J. D., Guard, C. L., Foote, R. H., Warnick, L. D., Breickner, L. C. (1994)

Relationships between administration of GnRH, body condition score and fertility in holstein dairy cattle.

Theriogenology 42, 703 – 714

Heuwieser, W., Mansfeld, R. (1995)

Brunstbeobachtung beim Rind.

Milchpraxis 33, 75 - 79

Heuwieser, W. (1997)

Strategische Anwendung von Prostaglandin F_{2α} – Grundlagen und Ziele von Prostaglandinprogrammen.

Der praktische Tierarzt 78, 141 – 149

Heuwieser, W., Oltenacu, P. A., Lednor, A. J., Foote, R. H. (1997)

Evaluation of different protocols for prostaglandin synchronisation to improve reproductive performance in dairy herds with low estrus detection efficiency.

J. Dairy Sci. 80, 2766 – 2774

- Heuwieser, W., Tenhagen, B. A., Tischer, M., Lühr, J., Blum, H. (2000)
Effect of three programs for the treatment of endometritis on the reproductive performance of dairy herd.
Vet Rec; 146, 338 – 341
- Heuwieser, W., Drillich, M., Schmitt, E. J., Chenault, J. R., Moreira, F. (2002)
Current therapies for the treatment of acute puerperal metritis in cattle.
World buiatrics congress XXII 18. – 23.8.2002, Hannover, 95
- Hoedemaker, M., Klindworth, H. P., Burfeindt, D. (1999)
Ovulationssynchronisation: Erste Erfahrungen in norddeutschen Hochleistungsmilchviehbetrieben.
BPT-Kongreß, Vortragszusammenfassung vom 18. bis 21. November 1999, Nürnberg, 25-27
- Holtenius, P. (1991)
Disturbance in the regulation of energy metabolism around parturition in cows.
Mh. Vet. Med. 46, 795-797
- Huth, W. (1995)
Die Laktation des Rindes
Eugen Ulmer Verlag, Stuttgart
- Jäckel, L. (1998)
Neue Wege der Brunstinduktion beim Rind – Erfahrungen aus der Praxis.
In: Arbeitskreis Großtierpraxis (Hrsg.): Fruchtbarkeitsmanagement bei Rind und Schwein.
Verlag für Agrarwissenschaften und Veterinärmedizin, Dannenberg, 49 – 54
- Jakob, H., Distl, O. (1997)
Tierarztkosten beim Milchvieh, 1. Mitteilung: Analyse von systematischen Variationsursachen.
Züchtungskunde 69, 334 – 348

Jobst, S. M., Nebel, R. L., McGilliard, M. L., Pelzer, K. D. (2000)
Evaluation of reproductive performance in lactating dairy cows with Prostaglandin F_{2α},
Gonadotropin-releasing hormone, and timed artificial insemination.
J. Dairy Sci. 83, 2366 – 2372

Kanitz, W., Mildner, H., Freymann, U., Kanitz, E., Schneider, F., Becker, F. (1996)
Untersuchungen zum Ovulationszeitraum nach induzierter Luteolyse beim Rind in
Abhängigkeit vom Zyklusstadium.
Züchtungskunde 68, 268 - 279

Kaufmann, O. (1998)
Verfahrensgestaltung und Management der Milchproduktion in größeren Beständen.
Züchtungskunde 70, 407 – 413

Keister, Z. O., DeNise, S. K., Armstrong, D. V., Ax, R. L., Brown, M. D. (1999)
Pregnancy outcomes in two commercial dairy herds following hormonal scheduling
programs.
Theriogenology 51, 1587 – 1596

Kelton, D. F., Leslie, K. E., Etherington, W. G., Bonnett, B.N., Walton, J. S. (1991)
Accuracy of rectal palpation and of a rapid milk progesterone enzymeimmunoassay for
determining the presence of a functional corpus luteum in subestrous dairy cows.
Can. Vet. J. 32, 286 – 291

Kiddy, C. A. (1976)
Variation in physical activity as an indication of estrus in dairy cows.
J. Dairy Sci. 60, 235 – 243

Klaas, I. (2000)
Untersuchungen zum Auftreten von Mastitiden und zur Tiergesundheit in 15
Milchviehbetrieben Schleswig-Holsteins.
Berlin, Freie Universität, Fachbereich Veterinärmedizin, Dissertation

- Klindworth, H.-P., Hoedemarker, M., Burfeindt, D., Heilkenbrinker, T. (2001)
Ovulationssynchronisation in hochleistenden Milchvieherden: I. Fruchtbarkeitsparameter,
Body Condition Score und Plasmaprogesteronkonzentration.
Dtsch. Tierärztl. Wschr. 108, 11 – 19
- Knutti, B., Busato, A., Küpfer, U. (1998)
Reproductive efficiency of treated and non-treated cows with endometritis.
Reprod. Dom. Anim. 5, 121
- Köhn, R. (2000)
Eine betriebswirtschaftliche Bewertung: Ovsynch – Verfahren.
Großtierpraxis 1, 30 – 35
- Kräusslich, H., Osterkorn, K., Richter, H. (1977)
Der Einfluss der Rastzeit auf verschiedene Fruchtbarkeitsparameter.
Berl. Münch. Tierärztl. Wschr. 90, 55 - 57
- Kristula, M., Bartholomew, R., Galligan, D. (1992)
Effects of a prostaglandin F_{2α} synchronization program in lactating dairy cattle.
J. Dairy Sci. 75, 2713 – 2718
- Labernia, J., Lopez, G. F., Santolaria, P., Hanzen, C., Laurent, Y., Houtain, J. Y. (1998)
Influence of calving season on the interactions among reproductive disorders of dairy cows.
Anim. Sci. 67, 387 – 393
- Lean, I. J., Galland, J. C., Scott, J. L. (1989)
Relationships between fertility, peak milk yields and laktational persistency in dairy cows
Theriogenology 31, 1093 - 1103
- Lee, L. A., Ferguson, J. D., Galligan, D. T. (1989)
Effect of disease on days open assessed by survival analysis.
J. Dairy Sci. 72, 1020 – 1026

Leidl, W., Schefels, W., Klenner, W. (1981)

Klinischer und luteolytischer Effekt des PGF_{2α} - Analogons „Prostianol“ INT 1002 – EMD 34946 beim Rind.

Prakt. Tierarzt 62, 305 – 307

Loeffler, S. H., Vries, M. J., Schukken, Y. H., de Vries, M. J. (1999)

The effects of time disease occurrence, milk yield, and body condition on fertility of dairy cows.

J. Dairy Sci. 82, 2589 – 2604

Lotthammer, K. H. (1979)

Merkmalsantagonismen und Leistungszucht . Beziehungen zwischen Milch- und Fettleistung und Fruchtbarkeit beim Rind.

Züchtungskunde 51, 414 - 422

Lotthammer, K.-H. (1992)

Anforderungen an den Tierarzt in der Rinderpraxis der Zukunft.

Prakt. Tierarzt 73, 1152 – 1161

Lotthammer, K.-H. (1999)

Umweltbedingte Fruchtbarkeitsstörungen.

in: Grunert, E., und de Kruif, A. (Hrsg.): Fertilitätsstörungen beim weiblichen Rind.

3. Auflage, Parey Buchverlag, Berlin, 307 – 336

Lucy, M. C., Stevenson, J. S., Call, E. P. (1986)

Controlling first service and calving interval by prostaglandin F_{2α}, gonadotropin-releasing hormone, and timed insemination.

J. Dairy Sci. 69, 2186 – 2194

Maatje, K., Loeffler, S. H., Engel, B. (1997)

Predicting optimal time of insemination in cows that show visual signs of estrus by estimating onset of estrus with pedometers.

J. Dairy Sci. 80, 1098 – 1105

Macmillan, K. L., Henderson, H. V. (1984)

Analyses of the variation in the interval of prostaglandin F_{2α} to oestrus as a method of studying patterns of follicle development during dioestrus in dairy cows.

Anim. Reprod. Sci. 6, 245 – 254

Macmillan, K. L., Lean, I. J., Westwood, C. T. (1996)

The effects of lactation on the fertility of dairy cows.

Austr. Vet. Journal 73, 141 - 147

Mansfeld, R., Heuwieser, W. (1998)

Effects of a simple prostaglandin program on the reproductive performance of large dairy herds and the economic success of a dairy enterprise. A field trial.

Reprod. Dom. Anim., 5, 104

Mansfeld, R., De Kruif, A., Hoedemarker, M., Heuwieser, W. (1999)

Fruchtbarkeitsüberwachung auf Herdenbasis.

in: Grunert, E., und de Kruif, A. (Hrsg.): Fertilisationsstörungen beim weiblichen Rind.
3. Auflage, Parey Buchverlag, Berlin, 337 – 350

Markusfeld, O., Galon, N., Ezra, E. (1997)

Body condition score, health, yield and fertility in dairy cows.

Vet. Rec. 141, 67 – 72

Metzner, M., Mansfeld, R. (1992)

Tierärztliche Betreuung von Milcherzeugerbetrieben, Teil 2: Die Beurteilung von Fruchtbarkeitsparametern: Möglichkeiten und Grenzen.

Prakt. Tierarzt 73, 800 – 814

Metzner, M., Heuwieser, W., Klee, W. (1993)

Die Beurteilung der Körperkondition (body condition scoring) im Herdenmanagement.

Prakt. Tierarzt 74, 991 – 998

Miller, H. V., Kimsey, P. B., Kendrick, J. W., Döring, L., Franti, C., Horton, J. (1980)
Endometritis of dairy cattle: Diagnosis, treatment, and fertility.
The Bovine Practitioner 15, 13 – 23

Miller, G. Y., Dorn, C. R. (1990)
Cost of dairy cattle diseases to producers in Ohio.
Prev. Vet. Med. 8, 171 – 182

Momont, H. W., Seguin, B. E. (1983)
Treatment of unobserved estrus in lactating dairy cows with Prostaglandin F_{2α} products.
Reproduktive Management in Food Animals. 28

Montes, A. J., Pugh, D. G. (1993)
Clinical approach to postpartum metritis.
Compend. Contin. Educ. Pract. Vet. 15, 1131 – 1137

Moreira, F., Risco, C., Pires, M. F. A., Ambrose, J. D., Drost, M., DeLorenzo, M.,
Thatcher, W. W. (2000a)
Effect of body condition on reproductive efficiency of lactating dairy cows receiving a timed
insemination.
Theriogenology 53, 1305 - 1319

Moreira, F., Orlandi, C., Risco, C., Lopes, F., Mattos, R., Thatcher, W. W. (2000b)
Pregnancy rates to a timed insemination in lactating dairy cows pre-synchronized and treated
with bovine somatotropin: cyclic versus anestrus cows.
J Dairy Sci. 83, 134

Morrow, D. A., Roberts, S. J., McEntee, K. (1969)
Postpartum ovarian activity and involution of the uterus and cervix in dairy cattle.
1. Ovarian activity.
Corn. Vet. 59, 173 - 190

Nathaus, R. (2000)
Kühe besamen ohne Brunstbeobachtung.
Top Agrar Januar 2000, 6 – 8

Nathaus, R. (2000)
Problemkühe erfolgreich mit OvSynch behandeln.
Top Agrar Januar 2000, 9 - 11

Nebel, R. L., McGilliard M. L. (1993)
Interaction of high milk yield and reproductive performance in dairy cows.
J. Dairy Sci. 76, 3257 – 3268

Nebel, R. L., Jobst, S. M., Dransfield, M. B. G., Pandolfi, S. M., Bailey, T. L. (1997)
Use of a radio frequency data communication system, HeatWatch®, to describe behavioral estrus in dairy cattle.
J. Dairy Sci. 80, Suppl. 1, 179

Nebel, R. L., Jobst, S. M. (1998)
Evaluation of systematic breeding programs for lactating dairy cows: a review.
J. Dairy Sci. 81, 1169 - 1174

O'Farrell, K. J. (1985)
Oestrus behavior problems with detection and relevance of cycle length.
Proc. Br. Vet. Ass. Br. Soc. Anim. Prod. Con.; Dairy cow Fertil. Br. Vet. Assoc. Ed. Serv.,
London, England, 1985, 47

O'Connor, M. L. (1993)
Heat detection and timing of insemination for cattle.
Special Extension circular, 402, Pennsylvania State University

Olson, J. D. (1993)
Tools to improve reproductive performance of dairy cattle.
The Bovine Practitioner 27, 61 – 63

Olson, J. D. (1996)

Metritis / Endometritis: Medically sound treatment.

The Bovine Proceedings 29, 8 – 14

Ostermann, J. (1977)

Auswertung einer Bestandsdokumentation in einem Rindergroßbestand unter besonderer Berücksichtigung der Beziehung zwischen Milchleistung und Fruchtbarkeit.

Hannover: Tierärztliche Hochschule, Dissertation

Ott, R. S., Bretzlaff, K. N., Hixon, J. E. (1986)

Comparison of palpable corpora lutea with serum progesterone concentration in cows.

J. Am. Med. Assoc. 188, 1417 – 1419

Paisley, L. G., Mickelsen, W. D., Anderson, P. B. (1986)

Mechanism and therapy for retained fetal membranes and uterine infections of cows:
A review.

Theriogenology 25, 353 – 381

Peter, A. I., Bosu, W. I. K. (1988)

Influence of intrauterine infections and follicular development on the response to GnRH administration in postpartum cows.

Theriogenology 29, 1163 - 1175

Peters, A. R. (1985)

Hormonal control of the bovine oestrus cycle. 1. The natural cycle.

Br. Vet. J. 141, 564-575

Platen, M., Lindemann, E., Münnich, A. (1995)

Umweltbedingte Interaktionen zwischen Reproduktions – und Milchleistung bei Hochleistungskühen in den USA

Tierärztl. Umsch. 50, 41 – 46

- Plunkett, S. S., Stevenson, J. S., Call, E. P. (1984)
Prostaglandin F_{2α} for lactating dairy cows with a palpable corpus luteum but unobserved estrus.
J. Dairy Sci. 67, 380 – 387
- Prescott, R. E., Silcox, R. W., Byerley, D. J., Caudle, A. B., Kiser, T. E. (1992)
Effect of GnRH on the dominant follicle of the first follicular wave in beef cows.
J. Anim. Sci. 70, Suppl. 1: 254.
- Pryce, J. E., Veerkamp, R. F., Thompson, R., Hill, W. G., Simm, G. (1997)
Genetic aspects of common health disorders and measures of fertility in Holstein Friesian dairy cattle.
Anim. Sci. 65, 353-360
- Pryce, J. E., Nielsen, B. L., Veerkamp, R. F., Simm, G. (1999)
Genotype and feeding system effects and interactions for health and fertility traits in dairy cattle.
Livest. Prod. Sci. 57, 193 – 201
- Pursley, J. R., Mee, M. O., Wiltbank, M. C. (1995)
Synchronization of ovulation in dairy cows using PGF_{2α} and GnRH.
Theriogenology 44, 915 – 923
- Pursley, J. R., Kosorok, M. R., Wiltbank, M. C. (1997a)
Reproductive management of lactating dairy cows using synchronization of ovulation.
J. Dairy Sci. 80, 301 – 306
- Pursley, J. R., Wiltbank, M. C., Stevenson, J. S., Ottobre, J. S., Garverick, H. A.,
Anderson, L. L. (1997b)
Pregnancy rates per artificial insemination for cows and heifers inseminated at a synchronized ovulation or synchronized estrus.
J. Dairy Sci. 80, 295 - 300

- Pursley, J. R., Roy, W., Silcox, Wiltbank, M. C. (1998)
Effect of time of artificial insemination on pregnancy rates, calving rates, pregnancy loss, and gender ratio after synchronization of ovulation in lactating dairy cows.
J. Dairy Sci. 81, 2139 – 2144
- Raab, D., Drillich, M., Tenhagen, B. A., Wittke, M., Heuwieser, W. (2002)
Effects of subclinical endometritis on reproductive performance in dairy cows.
in: World Association for Buiatrics (Ed.): Proceedings of the XXII World Buiatrics Congress
Hannover, 18. – 23. August, 97
- Radostits, O. M., Leslie, K. E., Fetrow, J. (1994)
Maintaining reproductive efficiency in dairy cattle.
in: Radostits, O. M., Leslie, K. E., und Fetrow, J. (Hrsg.): Herd health: Food animal production medicine.
2. Auflage, W. B. Saunders Company, Philadelphia, 141-158
- Reid, I. M., Dew, S. M., Collins, R. A. (1983)
The relationship between fatty liver and fertility in dairy cows: a farm investigation.
J. Agric. Sci. 101, 499 - 502
- Rieck, G.-W., Zerobin, K. (1985)
Zuchthygiene Rind.
Pareys Studientexte: 46. Verlag Parey Berlin und Hamburg
- Risco, C. A., Drost, M., Archbald, L., Moreira, F., De la Sota, R. L., Burke, J., Thatcher, W. W. (1998)
Timed artificial insemination in dairy cattle – Part I.
Theriogenology 20, 1284 - 1290
- Risco, C. A., Donovan, G. A., Hernandez, J. (1999)
Clinical mastitis associated with abortion in dairy cows.
J. Dairy Sci. 82, 1684 – 1689

- Rosenberg, M., Kaim, M., Herz, Z., Folman, Y. (1990)
Comparison of methods for the synchronization of estrous cycles in dairy cows. 1. Effects on plasma progesterone and manifestation of estrus.
J. Dairy Sci. 73, 2807 – 2816
- Savio, J. D., Boland, M. P., Hynes, N., Roche, J. F. (1990)
Resumption of follicular activity in the early postpartum period of dairy cows.
J. Reprod. Fertil. 88, 569 - 579
- Schindler, H., Eger, S., Davidson, M., Ochowski, D., Schermerhorn, E. C.,
Foote, R. H. (1991)
Factors affecting response of groups of dairy cows managed for different calving –
conception
intervals.
Therigenology 36, 495 - 503
- Schönmuth, G., Wilke, A., Grosshans, H., Seeland, G. (1981)
Zur Vereinbarkeit von hoher Leistung und regelmäßiger Fruchtbarkeit beim Rind.
Tierzucht 35, 160 – 163
- Schopper, D., Scherner, R., Weiler, U., Claus, R. (1993)
Einfluß der Milchleistung auf die Fruchtbarkeitskriterien der Milchkuh post partum:
Auswertung von Progesteronprofilen.
Reprod. Dom. Anim. 28, 225 – 235
- Seguin, B. E., Tate, D. J., Otterby, D. E. (1983)
Use of cloprostenol in a reproductive management system for dairy cattle.
J. Am. Vet. Med. Assoc. 183, 533 – 537
- Seguin, B., Momont, H., Baumann, L. (1985)
Cloprostenol and dinoprost tromethamine in experimental and field trials treating unobserved
estrus in dairy cows.
The Bovine Practitioner 20, 85 – 90

Seguin, B. (1996)

Ovsynch a method for breeding dairy cows without doing heat detection.

Minnesota Dairy Health Conference, May 22 – 23

Seguin, B., Ahmet, G., Fahning, M. (1999)

OvSynch vs 2X – Prostaglandin F_{2α} (PGF_{2α}) for Appointment First AI in Dairy Cows.

Nashville, Tennessee, 22. – 24.9.1999

Senatore, E. M., Butler, W. R., Oltenacu, P. A. (1996)

Relationships between energy balance and post – partum ovarian activity and fertility in first lactation dairy cows.

Animal Science, 62, 17 – 23

Silcox, R. W., Powell, K. L., Pursley, J. R., Wiltbank, M. C. (1995)

Use of GnRH to synchronize ovulation in Holstein cows and heifers treated with GnRH and prostaglandin.

Theriogenology 43, 325 – 325

Sirois, J., Fortune, J. E. (1988)

Ovarian follicular dynamics during the estrous cycle in heifers monitored by real – time ultrasonography.

Biol. Reprod. 39, 308

Slenning, B. D. (1992)

Comparison of a prostaglandin - F_{2α}- based reproductive program with an estrus detection – based reproductive program on a large commercial dairy herd.

Theriogenology 37, 673 – 685

Smith, R. D., Pomerantz, A. J., Beal, U. E., McCann, J. P., Pilbeam, T. E., Hansel, W. (1984)

Insemination of Holstein heifers at a preset time after oestrus cycle synchronisation using progesterone and prostaglandin.

J. Anim. Sci. 58, 792 – 800

- Stapels, C. R., Thatcher, W. W., Clark, J. H. (1990)
Relationship between ovarian activity and energy status during the early post
partum period of high producing dairy cows.
J. Dairy Sci. 73, 938 - 947
- Stevens, R. D., Seguin, B. E., Momont, H. W. (1995)
Evaluation of the effects of route of administration of cloprostetol on synchronization of
estrus in diestrous dairy cattle.
J. Am. Vet. Med. Assoc. 207, 214 – 216
- Stevenson, J. S., Schmidt, M. K., Call, E. P. (1983)
Factors affecting reproductive performance of dairy cows first inseminated after five weeks
postpartum.
J. Dairy Sci. 66, 1148 – 1154
- Stevenson, J. S., Lucy, M. C., Call, E. P. (1987)
Failure of timed inseminations and associated luteal function in dairy cattle after two
injections of prostaglandin F₂-alpha.
Theriogenology 28, 937 - 946
- Stevenson, J. S., Pursley, J. R. (1994)
Use of milk progesterone and prostaglandin F_{2α} in a scheduled artificial insemination
program.
J. Dairy Sci. 77, 1755 - 1760
- Stevenson, J. S., Yasuhiro Kobayashi, M. P., Shipka, Kevin C., Rauchholz, K. C. (1996)
Altering conception of dairy cattle by gonadotropin – releasing hormone preceding luteolysis
induced by Prostaglandin F_{2α}.
J. Dairy Sci. 79, 402 – 410

- Stevenson, J. S., Kobayashi, Y., Thompson, K. E. (1999)
Reproductive performance of dairy cows in various programmed breeding systems including Ovsynch and combinations of gonadotropin – releasing hormone and Prostaglandin F_{2α}.
J. Dairy Sci. 82, 506 – 515
- Stevenson, J. (2000)
Mastitis disrupts conception more than you think.
Hoard's dairyman, October 2000, 666 – 667
- Stolla, R., Bendel, M. (1997)
Wirksamkeit verschiedener PGF_{2α} – Präparate auf Brunst und Fertilität beim Rind.
Tagung der Fachgruppe „Fortpflanzung und ihre Störung“,
Gießen, 27.6.1997 Tagungsband, 46
- Stolla, R., Bendel, M., Hegemann, M., Braun, J. (1998)
Einsatz von PGF_{2α} und GnRH zur Zyklussteuerung beim Rind.
Tierärztl. Prax. 26, 187 – 192
- Stott, A. W., DeLorenzo, M. A. (1988)
Factors affecting profitability of Jersey and Holstein Lactations.
J. Dairy Sci. 71, 2753
- Surholt, R., Drillich, M., Frey, M., Ludwig, S., Heuwieser, W. (1999)
Erfahrungen mit einem Ovsynch Program in einem Milcherzeugerbetrieb mit Fruchtbarkeitsstörungen.
In: BPT Kongress Nürnberg 18.11. – 21.11.1999
- Surholt, R. (2001)
Vergleich dreier Fruchtbarkeitsprogramme zur Verbesserung der Herdenfruchtbarkeit in Milchviehbetrieben am Beispiel einer Milchviehanlage mit Fruchtbarkeitsstörungen.
Berlin, Freie Universität, Fachbereich Veterinärmedizin, Dissertation

Tenhagen, B.-A., Heuwieser, W. (1997)
Wirtschaftliche Einbußen durch verlängerte Güstzeiten-Einfluss der Laktationspersistenz.
DVG, Tagung der Fachgruppe „Fortpflanzung und ihre Störung“,
Thema: Fertilitätskontrollen sowie gynäkologische und peripartale Probleme beim Rind.
Gießen, 27.6.1997, Tagungsband, 14-22

Tenhagen, B.-A., Heuwieser, W. (1999)
Comparison of a conventional reproductive management programme based on rectal
palpation and uterine treatment of endometritis with a strategic prostaglandin $F_{2\alpha}$
programme.
J. Vet. Med. Assoc. 46, 167 - 176

Tenhagen, B.-A., Drillich, M., Heuwieser, W. (2000)
Synchronization of lactating dairy cows with Prostaglandin $F_{2\alpha}$: insemination on observed
oestrus versus timed artificial insemination.
J. Vet. Med. Assoc. 47, 577 - 584

Tenhagen, B.-A., Drillich, M., Heuwieser, W. (2001a)
Analysis of cow factors influencing conception rates after two timed breeding protocols.
Theriogenology 56, 831 – 838

Tenhagen, B.-A., Drillich, M., Heuwieser, W. (2001b)
Management aspects and economics of Ovsynch-protocols in dairy herds.
in: Tschechische Buiatrische Gesellschaft (Ed.): Referate vom 3. Mitteleuropäischen
Buiatrischen Kongress., Milovy, CZ, 24.-25. Mai 2001, 74-77

Tenhagen, B.-A., Drillich, M., Surholt, R., Wittke, M., Vogel, C., Heuwieser, W. (2003)
Higher conception rates in primiparous than in multiparous cows after synchronization of
ovulation (Ovsynch) and timed AI
Wien. Tierärztl. Mschr. 90, Suppl. 1,26

Thatcher, W. W., Drost, M., Savio, J. D., Macmillan, K. L., Entwistle, K. W., Schmitt, E. J., De La Sota, R. L., Morris, G. R. (1993)
New clinical uses of GnRH and its analogues in cattle.
Anim. Reprod. Sci. 33, 27

Thatcher, W. W., Risco, C. A., Moreira, F. (1998)
Practical Manipulation of the estrous cycle in dairy animals.
31st annual convention Proceedings American Association of Bovine Practitioners Spokane, Washington, 24.-26. September 1998, 34 - 50

Tischer, M. (1998)
Vergleich von intrauterinen Arzneimittelapplikationen mit einem strategischen Prostaglandinprogramm zur Behandlung von chronischen Endometritiden in einer Milchviehherde.
Berlin, Freie Universität, Fachbereich Veterinärmedizin, Dissertation

Twagiramungu, H., Guilbault, L. A., Proulx, J., Villeneuve, P., Dufour, J. J. (1992)
Influence of an agonist of gonadotropin-releasing hormone (buserelin) on estrus synchronisation and fertility in beef cows.
J. Anim. Sci. 70, 1904 - 1910

Twagiramungu, H., Guilbault, L. A., Proulx, J., Dufour, J. J. (1994a)
Influence of corpus luteum and induced ovulation on ovarian follicular dynamics in postpartum cyclic cows treated with buserelin and cloprostenol.
J. Anim. Sci. 72, 1796 - 1805

Twagiramungu, H., Guilbault, L. A., Proulx, J., Ramkumar, R., Dufour, J. J. (1994b)
Histological populations and atresia of ovarian follicles in postpartum cattle treated with an agonist of gonadotropin-releasing hormone.
J. Anim. Sci. 72, 192 - 200

Twagiramungu, H., Guilbault, L. A., Dufour, J. J. (1995)
Synchronization of ovarian follicular waves with a gonadotropin-releasing hormone agonist to increase the precision of estrus in cattle: A review.
J. Anim. Sci. 73, 3141 - 3151

Vasconcelos, J. L. M., Silcox, R. W., Rosa, G. J. M., Pursley, J. R., Wiltbank, M. C. (1999)
Synchronisation rate, size of the ovulatory follicle, and pregnancy rate after synchronisation of ovulation beginning on different days of the estrus cycle in lactating dairy cows.
Theriogenology 52, 1067 – 1078

VIT Informationssysteme Tierhaltung (2001)
Trends, Fakten, Zahlen Jahresbericht 2001
Vereinigte Informationssysteme Tierhaltung w.V. (VIT) S.17

Wagner, J. F., Veenhuizen, E. L., Gregory, R. P., Tonkinson, L. V. (1968)
Fertility in the beef heifer following treatment with 6 - chloro 6 – 17 - acetoxy-progesterone.
J. Anim. Sci. 27, 1627 - 1635

Wenzel, J. G. W. (1991)
A review of prostaglandin F_{2α} products and their use in dairy reproductive herd health programs.
Vet. Bull. 61, 433 – 447

Wenzel, J. G. W., Wright, J. C., Carson, R. L. (1993)
Use of prostaglandin products by dairy cattle owners, beef cattle owners, and veterinarians.
J. Am. Vet. Med. Assoc. 203, 1732 – 1736

Whitacre, M. D. (1992)
Intrauterine infusion in the postpartum dairy cow.
Vet. Med. 87, 376 – 381

- Wiltbank, J. N., Zimmermann, D. R., Ingalls, J. E., Rowden, W. W. (1965)
Use of progestational compounds alone or in combination with estrogen for synchronisation
of estrus.
J. Anim. Sci. 24, 990 - 994
- Wiltbank, J. N., Kasson, C. W. (1968)
Synchronisation of estrus in cattle with an oral progestational agent and an injection of
estrogen.
J. Anim. Sci. 27, 113
- Wiltbank, J. N., Sturges, J. C., Wideman, D., LeFever, D. G., Faulkner, L. C. (1971)
Control of estrus and ovulation using subcutaneous implants and estrogens in beef cattle.
J. Animal. Sci. 33, 600-606
- Wiltbank, M. C. (1997)
How information on hormonal regulation of the ovary has improved understanding of timed
breeding programs
Proc. Ann. Meet. Soc. Theriogenology, Montreal, 1997, 83 – 97
- Wiltbank, M. C. (1998a)
Improving reproductive efficiency in high producing dairy cattle.
XX World Buiatrics Congress, Sydney Australien, 6. – 10. Juli 1998, Proceedings Volume 2,
571 – 583
- Wiltbank, M. C. (1998b)
Information on regulation of reproductive cyclicity cattle.
31 st annual conventic proceedings american association of bovine practitioners Spokane,
Washington September 24 – 26

- Wittke, M., Drillich, M., Tenhagen, B.-A., Heuwieser, W. (2001)
Vergleich eines Programmes zur Ovulationssynchronisation mit einer Prostaglandin F_{2α}
Behandlung nach rektaler Palpation in einer kommerziellen Milchviehherde.
in Tschechische Buiatrische Gesellschaft (Ed.): Referate vom 3. Mitteleuropäischen
Buiatrischen Kongress., Milovy, CZ, 24. – 25. Mai 2001, 262 – 265
- Wittke, M (2002)
Anwendung des Ovsynch Programmes in einer Milchviehherde: Einflüsse auf die Konzeption
und Vergleich mit einem Prostaglandin F_{2α} Programm.
Berlin Freie Universität, Fachbereich Veterinärmedizin, Dissertation
- Wolfenson, D., Roth, Z., Meidan, R., Forsberg, M., Greve, T., Gustafsson, H., Katila, T.,
Kindahl, H., Ropstad, E. (2000)
Impaired reproduction in heat – stressed cattle: basic and applied aspects
Animal reproduction: research and practice II. Proceedings of the 14th International Congress
on Animal Reproduction, Stockholm, Sweden, 2 – 6 July, 60 – 61
- Woody, C. O., Abenes, F. B. (1975)
Regulation of ovarian funktion in Holstein heifers with SC-21009 implants and estradiol
valerate.
J. Anim. Sci. 41, 1057 - 1064
- Young, I. M., Henderson, D. C. (1981)
Evaluation of single and double artificial insemination regimes as methods of shortening
calving intervals in dairy cows treated with dinoprost.
Vet. Rec. 109, 446 - 449
- Young, J. M. (1989a)
Dinoprost 14 – day oestrus synchronization schedule for dairy cows
Vet. Rec. 124, 587 – 588

Young, I. M. (1989b)

Response to dinoprost in the bovine early post partum period.

Vet. Rec. 124, 511 - 512