

ANEXO

ANEXO I. PUBLICACIONES SELECCIONADAS POR OBJETIVO

Tabla 1. Publicaciones incluidas en la revisión sobre los efectos beneficiosos y perjudiciales que supone la utilización de promotores hormonales de crecimiento en ganado vacuno de carne.

1	Dunshea, F.R., D'souza, D.N., Pethick, D.W., Harper, G.S. y Warner, R.D. (2005). "Effects of dietary factors and other metabolic modifiers on quality and nutritional value of meat". <i>Meat Science</i> , 71(1), pp. 8-38.
2	Song, M.K. y Choi, S.H. (2001). "Growth promoters and their effects on beef production-Review". <i>Asian-Australasian Journal of Animal Sciences</i> , 14(1), pp. 123-135.
3	Ribeiro, G.O., Hünerberg, M., Ominski, K., Larney, F.J. y McAllister, T.A. (2020). "164 Effect of trenbolone acetate, melengestrol acetate, and ractopamine hydrochloride on growth performance of growing beef cattle". <i>Journal of animal science</i> , 98(Supplement_4), pp. 127.
4	Capper, J.L., Castañeda-Gutiérrez, E., Cady, R.A. y Bauman, D.E. (2008). "The environmental impact of recombinant bovine somatotropin (rbST) use in dairy production". <i>Proceedings of the National Academy of Sciences</i> , 105(28), pp. 9668-9673.
5	Biswas, S., Shapiro, C.A., Kranz, W.L., Mader, T.L., Shelton, D.P., Snow, D.D., Bartelt-Hunt, S.L., Tarkalson, D.D., Van Donk, S.J. y Zhang, T.C. (2013). "Current knowledge on the environmental fate, potential impact, and management of growth-promoting steroids used in the US beef cattle industry". <i>Journal of Soil and Water Conservation</i> , 68(4), pp. 325-336.
6	Hunter, R. A. (2010). Hormonal growth promotant use in the Australian beef industry. <i>Animal Production Science</i> , 50(7), pp. 637-659.
7	Raloff, J. (2002). "Hormones: Here's the beef: Environmental concerns reemerge over steroids given to livestock". <i>Science News</i> , 161(1), pp. 10-12.

8	USDA (United States Department of Agriculture). (2000). "Veterinary Services Info Sheet: Implant usage by US feedlots". <i>Washington, DC: Animal and Plant Health Inspection Service</i> .
9	Bartle, S. J., Preston, R. L., Brown, R. E., y Grant, R. J. (1992). "Trenbolone acetate/estradiol combinations in feedlot steers: Dose-response and implant carrier effects". <i>Journal of Animal Science</i> , 70, pp. 1326–1332.
10	Johnson, B. J., Anderson, P. T., Meiske, J. C., y Dayton, W. R. (1996). "Effect of a combined trenbolone acetate and estradiol implant on feedlot performance, carcass characteristics, and carcass composition of feedlot steers". <i>Journal of Animal Science</i> , 74, pp. 363–371.
11	Perry, T. C., Fox, D. G., y Beermann, D. H. (1991). "Effect of an implant of trenbolone acetate and estradiol on growth, feed efficiency, and carcass composition of Holstein and beef steers". <i>Journal of Animal Science</i> , 69, pp. 4696–4702.

Tabla 2. Publicaciones incluidas en la revisión sobre la relación de los promotores hormonales de crecimiento y la calidad de la carne de vacuno.

1	Parr, T., Mareko, M.H.D., Ryan, K.J.P., Hemmings, K.M., Brown, D.M. y Brameld, J.M. (2016). "The impact of growth promoters on muscle growth and the potential consequences for meat quality". <i>Meat Science</i> , 120, pp. 93-99.
2	Dunshea, F.R., D'souza, D.N., Pethick, D.W., Harper, G.S. y Warner, R.D. (2005). "Effects of dietary factors and other metabolic modifiers on quality and nutritional value of meat". <i>Meat Science</i> , 71(1), pp. 8-38.
3	Nichols, W.T., Galyean, M.L., Thomson, D.U. y Hutcheson, J.P. (2002). "Effects of steroid implants on the tenderness of beef". <i>The Professional Animal Scientist</i> , 18(3), pp. 202-210.
4	Barham, B.L., Brooks, J.C., Blanton Jr, J.R., Herring, A.D., Carr, M.A., Kerth, C.R. y Miller, M.F. (2003). "Effects of growth implants on consumer perceptions of meat tenderness in beef steers". <i>Journal of animal science</i> , 81(12), pp. 3052-3056.

5	Polkinghorne, R., & Watson, R. (2004). "A meta-analysis of published and unpublished data on the effect of hormonal growth promotant treatment on the palatability of the striploin. In: Proceedings of the Brisbane, Meat & Livestock Australia Workshop, hormonal growth promotants and Meat Standards Australia—An industry update".
6	Song, M.K. y Choi, S.H. (2001). "Growth promoters and their effects on beef production-Review". <i>Asian-Australasian Journal of Animal Sciences</i> , 14(1), pp. 123-135.
7	Thompson, J. M., McIntyre, B. M., Tudor, G. D., Pethick, D. W., Polkinghorne, R., & Watson, R. (2008). "Effects of hormonal growth promotants (HGP) on growth, carcass characteristics, the palatability of different muscles in the beef carcass and their interaction with aging". <i>Australian Journal of Experimental Agriculture</i> , 48(11), pp. 1405-1414.

Tabla 3. Publicaciones incluidas en la revisión sobre la repercusión del consumo de carne de vacuno tratada con promotores hormonales del crecimiento en la salud humana.

1	Paris, A., Andre, F., Antignac, J., Le Bizec, B., Bonneau, M., Briant, C., Caraty, A., Chilliard, Y., Cognié, Y. y Combarous, Y. (2006). "Hormones et promoteurs de croissance en productions animales: de la physiologie à l'évaluation du risque". <i>Productions animales</i> , 19(3), pp. 151-240.
2	Wilson, V.S., Lambright, C., Ostby, J. y Gray, Jr. L.E. (2002). "In Vitro and in Vivo Effects of 17 β -Trenbolone: A Feedlot Effluent Contaminant". <i>Toxicol. Sci.</i> , 70, pp. 202-211
3	Jeong, S., Kang, D., Lim, M., Kang, C.S. y Sung, H.J. (2010). "Risk assessment of growth hormones and antimicrobial residues in meat". <i>Toxicological research</i> , 26(4), pp. 301-313.
4	Joint FAO/WHO Expert Committee on Food Additives (JECFA). (1988). "Evaluation of certain veterinary drug residues in food". <i>WHO Technical Report Series</i> , 763, PP. 16-33.
5	Joint FAO/WHO Expert Committee on Food Additives (JECFA). (2000). "Toxicological evaluation of certain veterinary drug residues in food: Estradiol-17 α , progesterone, and testosterone". <i>WHO Food Additives Series</i> , 43.

6	Joint FAO/WHO Expert Committee on Food Additives (JECFA). (2006). "Evaluation of certain veterinary drug residues in food. Melengestrol acetate". <i>WHO Technical Report Series</i> , 939.
7	Itana, D.D. y Duguma, A. (2021). "The Role and Impacts of Growth Hormones in Maximizing Animal Production-A review". <i>Turkish Journal of Agriculture-Food Science and Technology</i> , 9(6), pp. 975-981.
8	Schiffer, B., Daxenberger, A., Meyer, K. y Meyer, H.H. (2001). "The fate of trenbolone acetate and melengestrol acetate after application as growth promoters in cattle: environmental studies.". <i>Environmental health perspectives</i> , 109(11), pp. 1145-1151.
9	Borkfelt, S., Kondrup, S., Röcklinsberg, H., Bjørkdahl, K. y Gjerris, M. (2015). "Closer to nature? A critical discussion of the marketing of "ethical" animal products". <i>Journal of Agricultural and Environmental Ethics</i> , 28(6), pp. 1053-1073.
10	Khan, B., Lee, L. S. y Sassman S. A. (2008). "Degradation of synthetic androgens 17alpha- and 17beta-trenbolone and trendione in agricultural soils". <i>Environ Sci Technol</i> , 42, pp. 3570–3574.
11	Khan, B., Lee, L.S. (2010). "Soil temperature and moisture effects on the persistence of synthetic androgen 17 alpha-trenbolone, 17beta-trenbolone and trendione". <i>Chemosphere</i> , 79, pp. 873–879.
12	Novotny, V. (2003). "Water Quality. Diffuse Pollution and Watershed Management. John Willey & Sons". <i>Inc., Hoboken, New Jersey</i> , .
13	Young, R.B. y Borch, T. (2009). "Sources, presence, analysis, and fate of steroid sex hormones in freshwater ecosystems–A review". <i>Aquatic ecosystem research trends</i> , 4, pp. 103-164.
14	Jones, G.D., Benchetler, P.V., Tate, K.W. y Kolodziej, E.P. (2014). "Mass balance approaches to characterizing the leaching potential of trenbolone acetate metabolites in agro-ecosystems". <i>Environ Sci Technol</i> , 48, pp. 3715–3723.

15	Bartelt-Hunt, S.L., Snow, D.D., Kranz, W.L., Mader, T.L., Shapiro, C.A., van Donk, S.J., Shelton, D.P., Tarkalson, D.D. y Zhang, T.C. (2012). "Effect of growth promotants on the occurrence of endogenous and synthetic steroid hormones on feedlot soils and in runoff from beef cattle feeding operations". <i>Environ Sci Technol</i> ,46, pp. 1352–1360.
16	Soto, A.M., Calabro, J.M., Prechtel, N.V., Yau, A.Y., Orlando, E.F., Daxenberger, A., Kolok, A.S., Guillette, L.J. Jr, le Bizec, B., Lange, I.G. y Sonnenschein, C. (2004). "Androgenic and estrogenic activity in water bodies receiving cattle feedlot effluent in Eastern Nebraska, USA". <i>Environ Health Perspect</i> ,112(3), pp. 346-52.
17	Blackwell, B.R., Brown, T.R., Broadway, P.R., Buser, M.D., Brooks, J.C., Johnson, B.J., Cobb, G.P. y Smith, P.N. (2014). "Characterization of trenbolone acetate and estradiol metabolite excretion profiles in implanted steers". <i>Environmental toxicology and chemistry</i> , 33(12), pp. 2850-2858.
18	Biswas, S., Shapiro, C.A., Kranz, W.L., Mader, T.L., Shelton, D.P., Snow, D.D., Bartelt-Hunt, S.L., Tarkalson, D.D., Van Donk, S.J. y Zhang, T.C. (2013). "Current knowledge on the environmental fate, potential impact, and management of growth-promoting steroids used in the US beef cattle industry". <i>Journal of Soil and Water Conservation</i> , 68(4), pp. 325-336.
19	Hutchins, S.R., M.V. White, F.M. Hudson, y D.D. Fine. (2007). "Analysis of lagoon samples from different concentrated animal feeding operations for estrogens and estrogen conjugates". <i>Environmental Science and Technology</i> ,41(3), pp. 738-744.
20	Weyer, P., y D. Riley (2001). "Endocrine disruptors and pharmaceuticals in drinking water". <i>Denver, CO: AWWA Research Foundation and the American Water Works Association</i> .
21	Hanselman, T.A., D.A. Graetz, y A.C. Wilkie. 2003. "Manure-borne estrogens as potential environmental contaminants: A review". <i>Environmental Science and Technology</i> , 37, pp. 5471-5478.

Tabla 4. Publicaciones incluidas en la revisión sobre la opinión de los consumidores acerca de la administración de promotores hormonales de crecimiento.

1	Yunes, M.C., Von Keyserlingk, M.A. y Hötzel, M.J. (2017). "Brazilian citizens' opinions and attitudes about farm animal production systems". <i>Animals</i> , 7(10), pp. 75.
2	European Commission. (2007) . "Attitudes of EU Citizens towards Animal Welfare". <i>Special Eurobarometer 270</i> .
3	Miele, M., Veissier, I., Evans, A., & Botreau, R. (2011). "Animal welfare: establishing a dialogue between science and society". <i>Animal Welfare</i> , 20(1), 103.
4	Cardoso, C.S., Hötzel, M.J., Weary, D.M., Robbins, J.A. y von Keyserlingk, M.A. (2016). "Imagining the ideal dairy farm". <i>Journal of dairy science</i> , 99(2), pp. 1663-1671.
5	Ventura, B. A., Von Keyserlingk, M. A., Wittman, H., y Weary, D. M. (2016). "What difference does a visit make? Changes in animal welfare perceptions after interested citizens tour a dairy farm". <i>PLoS One</i> , 11(5), pp. e0154733.
6	Hötzel, M.J.; Roslindo, A.; Cardoso, C.S.; von Keyserlingk, M.A.G. (2017). "Citizens views on the practices of zero-grazing and cow-calf separation in the dairy industry: Does providing information increase acceptability?". <i>Journal of dairy science</i> , 100, pp. 4150–4160.
8	You, X., Li, Y., Zhang, M., Yan, H., & Zhao, R. (2014). A survey of Chinese citizens' perceptions on farm animal welfare. <i>PLoS One</i> , 9(10), pp. e109177.
9	Hansen, J., Holm, L., Frewer, L., Robinson, P. y Sandøe, P. (2003). "Beyond the knowledge deficit: recent research into lay and expert attitudes to food risks". <i>Appetite</i> , 41(2), pp. 111-121.
10	Buller, H. y Morris, C. (2003). "Farm animal welfare: a new repertoire of nature-society relations or modernism re-embedded?". <i>Sociologia Ruralis</i> , 43(3), pp. 216-237.
11	Verbeke, W. y Ward, R.W. (2001). "A fresh meat almost ideal demand system incorporating negative TV press and advertising impact". <i>Agricultural economics</i> , 25(2-3), pp. 359-374.

12	Borkfelt, S., Kondrup, S., Röcklinsberg, H., Bjørkdahl, K. y Gjerris, M. (2015). "Closer to nature? A critical discussion of the marketing of “ethical” animal products". <i>Journal of Agricultural and Environmental Ethics</i> , 28(6), pp. 1053-1073.
13	Bauer, M. W. (2016). “Results of the essay competition on the ‘deficit concept’”.