

HAYVAN BESLEME FİZYOLOJİSİ VE METABOLİZMA

Editörler

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ÖNSÖZ

Başarılı bir yetiştiricilik; hayvanın sağlık, besleme ve yaşama payı gereksinmelerinin iyi tespit edilmesiyle sağlanır. Bu amaçla yapılmış bilimsel çalışmaları uygulamaya aktarmak, ras-yonel yetiştiriciliğin esasıdır. Bu bakımdan modern hayvan besleme, doğrudan ya da dolaylı bilimsel çalışma sonuçlarını esas alır. Beslenme tüm canlıların öncelikli tercihi ve fizyolojik bir ihtiyacı iken, besleme ise günlük besin madde ihtiyacını karşılayacak yemin sunulmasıdır. Bu bağlamda, hayvanların besinsel fizyolojik ihtiyaçlarının doğru bir şekilde anlaşılması hem hayvanların sağlığı hem de verimi için önemlidir. Ayrıca, doğal olarak başarılı yetiştiriciliğin de temel koşullarından birisidir. Besleme biliminin temelinde, sindirim fizyolojisi ve metabolizması çalışmaları yer alır. Dolayısıyla, bu kitap, besleme fizyolojisi ve metabolizması alanındaki temel bilgi ve konuları okuyuculara sunmayı hedeflemektedir.

Kendine özgü fizyolojik ve metabolik faaliyetler, canlı organizmaların yaşamını sürdürmesi yanı sıra düzenli ve sağlıklı yaşam sürecinin de temelini oluşturur. Bu bilim dalları, hayvanların yemlerden elde ettiği besin maddelerini nasıl sindirdiğini, enerjiye dönüştürdüğünü ve vücut sistemlerinde nasıl kullandığını açığa kavuşturur. Böylece bu bilgiler; yalnızca doğru besleme protokollerinin oluşturulmasında değil, aynı zamanda koruyucu hekimlik uygulamalarına da katkı sağlar. Gelecekte ise yapay zekayla oluşturulan besleme programlarının bilgi bankasını oluşturacağı da düşünülebilir.

Bu kitabın hazırlanmasında, besleme fizyolojisi ve metabolizması alanındaki bilimsel çalışmalar ve bazı pratik bilgiler esas alınmıştır. İçerik, okuyucuların konuları daha iyi kavramasını sağlayacak şekilde düzenlenmiş, çiftlik hayvanlarına yönelik açıklamalar ve örneklerle zenginleştirilmiştir. Kitap içerisindeki çizelgeler, şekiller ve resimler ise, konuların daha iyi anlaşılmasını ve yorumlanmasını kolaylaştırmak için konulmuştur.

Kitabın; ziraat mühendislerinden veteriner hekimlere, öğrencilerden araştırmacılara kadar geniş bir okuyucu kitlesine hitap etmesi hedeflenmiştir. İçeriği, hem akademik düzeyde bilgi arayanlara hem de sahada uygulanabilir çözümler geliştirmek isteyen profesyonellere yöneliktir. Ayrıca, bu konulara ilgi duyanların hem temel kavramlara hem de güncel araştırmalara yönelik meraklarını artırarak, bu alanda bilimsel çalışmalara teşvik etmek hedeflenmiştir. Kitabın; hayvancılık eğitiminde, bilimsel çalışmalarda ve sahadaki hayvan besleme konularında faydalı bir kaynak olmasını dileriz.

Kitabın hazırlanmasında emeği geçen tüm yazarlara, proje koordinatörü İrem Vuslat FIRAT'a ve yayınevine teşekkür ederiz.

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Kasım 2025

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