

INDEX TO VOLUME 94 (2010)

SUBJECTS

J. Agric. Univ. P.R. 94(3-4):307-311 (2010)

- Allium cepa* (See Onion)
- American soybean rust
Virulence of *Phakopsora meibomia* in wild and cultivated legumes in Puerto Rico, 94 (3-4), 211.
- Animal nutrition
Consumption and chemical composition of shrub and herbaceous species with potential to feed small ruminants under grazing conditions, 94 (3-4), 275.
Exogenous fibrolytic enzymes affecting chemical composition, animal intake and digestibility of guinea grass hay (*Panicum maximum* Jacq.), 94 (1-2), 131. (Spanish)
Morus alba and *Hibiscus rosa-sinensis* fed as whole-plant supplements to growing lambs grazing on guinea grass, 94 (3-4), 279.
Pigeon pea (*Cajanus cajan* cv. Guerrero) and guinea-grass hay mixtures: Chemical composition, in vitro degradability, and intake and digestibility by goats, 94 (3-4), 269.
Tropical legumes: Chemical composition, in vitro degradability, and ingestive selectivity by bovines and caprines, 94 (1-2), 121. (Spanish)
- Arachis glabrata* (See *Rhizoma* perennial peanut)
- Arracacha
Estimates of foliar area index and net assimilation rates for, 94 (1-2), 199. (Spanish)
- Arracacia xanthorrhiza* (See Arracacha)
- Asian lime swallowtail
New invasive pest in Puerto Rico life cycle and control of, 94 (1-2), 165. (Spanish)
- Avizyme®
Addition to corn and soybean meal-based diets: performance and carcass composition of guinea fowl (*Numida meleagris*) broilers, 94 (3-4), 237.
- Bacteria
Biodiversity and ecology of potential vectors (Insecta: Hemiptera: Auchenorrhyncha) of *Xylella fastidiosa* Wells et al. in coffee plants of Puerto Rico, 94 (1-2), 147.
Seed-borne endophytic and pathogenic, isolated from onion in Puerto Rico, 94 (3-4), 289.
- Broiler litter
Evaluation of best management practices to reduce nutrient contaminant losses in runoff from broiler litter amended soils. I. Alum additions, 94 (1-2), 41.
Evaluation of best management practices to reduce nutrient contaminant losses in runoff from broiler litter amended soils. II. Grass cover, 94 (1-2), 61.
- Cactus
First report of a new invasive mealybug the *Harrisia* cactus mealybug, *Hypoecoccus pungens* (Hemiptera: Pseudococcidae), 94 (1-2), 183.
- Cajanus cajan* (See Pigeon Pea)
- Carica papaya* L. (See Papaya)
- Coffee
Biodiversity and ecology of potential vectors (Insecta: Hemiptera: Auchenorrhyncha) of *Xylella fastidiosa* Wells et al. in coffee plants of Puerto Rico, 94 (1-2), 147.
- Coffee berry borer
Natural presence of the fungus *Beauveria bassiana* (Bals.) Vuill. in, in Puerto Rico, 94 (1-2), 195. (Spanish)
- Compost
Tomato (*Solanum lycopersicum* L.) response to fertilizer nitrogen and, 94 (1-2), 79.

Cows, diseases

Bovine paratuberculosis in Puerto Rican dairy herds and its association with selected performance parameters, 94 (3-4), 247.

Socioeconomic data, management practices and frequency of diseases or health conditions in Puerto Rico dairies, 94 (3-4), 255. (Spanish)

Cultivar release

Release of 'Bejuco - 90 días' and 'Arbusto' velvetbean cultivars, 94 (3-4), 293.

Dairy farms

Bovine paratuberculosis in Puerto Rican dairy herds and its association with selected performance parameters, 94 (3-4), 247.

Socioeconomic data, management practices and frequency of diseases or health conditions in Puerto Rico dairies, 94 (3-4), 255. (Spanish)

Dimocarpus longan L. (See Longan)

Drainage

Raised beds and aeration tubing for growing tanager (*Xanthosoma* spp.) in a poorly drained upland Ultisol with a perched water table, 94 (3-4), 225.

Fertilization

Tomato (*Solanum lycopersicum* L.) response to fertilizer nitrogen and compost, 94 (1-2), 79.

Fungi

First report of sooty mold of longan (*Dimocarpus longan* L.) caused by *Tripospermum porosporiferum* Matsushima and *T. variabile* Matsushima in Puerto Rico, 94 (3-4), 285.

Natural presence of *Beauveria bassiana* (Bals.) Vuill. in the coffee berry borer *Hypothenemus hampei* (Ferrari) in Puerto Rico, 94 (1-2), 195. (Spanish)

Virulence of *Phakopsora meibomia* in wild and cultivated legumes in Puerto Rico, 94 (3-4), 211.

Garcinia mangostana L. (See Mangosteen)

Goats

Pigeon pea (*Cajanus cajan* cv. Guerrero) and guinea-grass hay mixtures: Chemical composition, in vitro degradability, and intake and digestibility by goats, 94 (3-4), 269.

Evaluation of tropical legumes: Chemical composition, in vitro degradability, and ingestive selectivity by bovines and caprines, 94 (1-2), 121. (Spanish)

Growth regulators

Evaluation of Promalin® to promote growth of young mangosteen seedlings, 94 (1-2), 105.

Guinea fowl broilers

Enzyme addition to corn and soybean meal-based diets: Effect on performance and carcass composition of, 94 (3-4), 237.

Guinea grass

Pigeon pea (*Cajanus cajan* cv. Guerrero) and guinea-grass hay mixtures: Chemical composition, in vitro degradability, and intake and digestibility by goats of, 94 (3-4), 269.

Exogenous fibrolytic enzymes affecting chemical composition, animal intake and digestibility of guinea grass hay (*Panicum maximum* Jacq.), 94 (1-2), 131. (Spanish)

Morus alba and *Hibiscus rosa-sinensis* fed as whole-plant supplements to growing lambs grazing on, 94 (3-4), 279.

Harrisia cactus mealybug

First report of a new invasive mealybug 94 (1-2), 183.

Hibiscus rosa-sinensis

Whole-plant supplements fed to growing lambs grazing on guinea grass, 94 (3-4), 279.

Hypogeococcus pungens (See Harrisia cactus mealybug)

Hypothenemus hampei (See Coffee berry borer)

Insects

Biodiversity and ecology of potential vectors (Insecta: Hemiptera: Auchenorrhyncha) of *Xylella fastidiosa* Wells et al. in coffee plants of Puerto Rico, 94 (1-2), 147.

First report of a new invasive mealybug the Harrisia cactus mealybug, *Hypogeococcus pungens* (Hemiptera: Pseudococcidae), 94 (1-2), 183.

- Life cycle and control of the Asian lime swallowtail, *Papilio demoleus* (Lepidoptera: Papilionidae): A new invasive pest in Puerto Rico, 94 (1-2), 165. (Spanish)
- Natural presence of the fungus *Beauveria bassiana* (Bals.) Vuill. in the coffee berry borer *Hypothenemus hampei* (Ferrari) in Puerto Rico, 94 (1-2), 195. (Spanish)
- Paratachardina pseudobolata* (Hemiptera: Coccoidea: Kerriidae): A new invasive scale insect in Puerto Rico, 94 (1-2), 179.
- Toumeyella parvicornis* (Cockerell) (Hemiptera: Coccoidea: Coccidae): A new invasive pest of pine trees in Puerto Rico, 94 (1-2), 175.
- Invasive species**
- First report of a new invasive mealybug the *Harrisia cactus* mealybug, *Hypoecoccus pungens* (Hemiptera: Pseudococcidae), 94 (1-2), 183.
- Life cycle and control of the Asian lime swallowtail, *Papilio demoleus* (Lepidoptera: Papilionidae): A new invasive pest in Puerto Rico, 94 (1-2), 165. (Spanish)
- Paratachardina pseudobolata* (Hemiptera: Coccoidea: Kerriidae): A new invasive scale insect in Puerto Rico, 94 (1-2), 179.
- Toumeyella parvicornis* (Cockerell) (Hemiptera: Coccoidea: Coccidae): A new invasive pest of pine trees in Puerto Rico, 94 (1-2), 175.
- Lambs**
- Consumption and chemical composition of shrub and herbaceous species with potential to feed, under grazing conditions, 94 (3-4), 275.
- Morus alba* and *Hibiscus rosa-sinensis* fed as whole-plant supplements to, grazing on guinea grass, 94 (3-4), 279.
- Legumes**
- Evaluation of tropical legumes: Chemical composition, in vitro degradability, and ingestive selectivity by bovines and caprines, 94 (1-2), 121. (Spanish)
- Virulence of *Phakopsora meibomia* in wild and cultivated legumes in Puerto Rico, 94 (3-4), 211.
- Longan**
- First report of sooty mold of, caused by *Tripospermum porosporiferum* Matsushima and *T. variabile* Matsushima in Puerto Rico, 94 (3-4), 285.
- Mangosteen**
- Evaluation of Promalin® to promote growth of young seedlings of, 94 (1-2), 105.
- Morus alba*
- Whole-plant supplements fed to growing lambs grazing on guinea grass, 94 (3-4), 279.
- Mycobacterium avium* (See Paratuberculosis)
- Nitrogen**
- Tomato (*Solanum lycopersicum* L.) response to fertilizer nitrogen and compost, 94 (1-2), 79.
- Numida meleagris* (See Guinea fowl)
- Nutrient losses**
- Evaluation of best management practices to reduce nutrient contaminant losses in runoff from broiler litter - amended soils. I. Alum additions, 94 (1-2), 41.
- Evaluation of best management practices to reduce nutrient contaminant losses in runoff from broiler litter - amended soils. II. Grass cover, 94 (1-2), 61.
- Onion**
- Seed-borne endophytic and pathogenic bacteria isolated from, in Puerto Rico, 94 (3-4), 289.
- Organic carbon fractions**
- Soil aggregation and, in the Río Grande de Arecibo watershed, 94 (1-2), 25.
- Organic matter**
- Spatial distribution and, in the Río Grande de Arecibo watershed, 94 (1-2), 1.
- Papaya**
- Spiders associated with, in Puerto Rico, 94 (1-2), 189.
- Papilio demoleus* (See Asian lime swallowtail)

- Paratuberculosis, bovine
 In Puerto Rican dairy herds and its association with selected performance parameters, 94 (3-4), 247.
- Panicum maximum* Jacq. (See Guinea grass)
- Phakopsora meibomia* (See American soybean rust)
- Pigeon pea
 Chemical composition, in vitro degradability, and intake and digestibility by goats, 94 (3-4), 269.
- Pine trees
Toumeyella parvicornis (Cockerell) (Hemiptera: Coccoidea: Coccidae): A new invasive pest of pine trees in Puerto Rico, 94 (1-2), 175.
- Poultry nutrition
 Enzyme addition to corn and soybean meal-based diets: Effect on performance and carcass composition of guinea fowl (*Numida meleagris*) broilers, 94 (3-4), 237.
- Promalin®
 Evaluation of, to promote growth of young mangosteen seedlings, 94 (1-2), 105.
- Rhizoma perennial peanut
 Weed management during and after establishment of, 94 (1-2), 111.
- Ruminants, small
 Consumption and chemical composition of shrub and herbaceous species with potential to feed, under grazing conditions, 94 (3-4), 275.
- Evaluation of tropical legumes: Chemical composition, in vitro degradability, and ingestive selectivity by bovines and caprines, 94 (1-2), 121. (Spanish)
- Exogenous fibrolytic enzymes affecting chemical composition, animal intake and digestibility of guinea grass ha y (*Panicum maximum* Jacq.), 94 (1-2), 131. (Spanish)
- Morus alba* and *Hibiscus rosa-sinensis* fed as whole-plant supplements to growing lambs grazing on guinea grass, 94 (3-4), 279.
- Pigeon pea (*Cajanus cajan* cv. Guerrero) and guinea-grass ha y mixtures:
 Chemical composition, in vitro degradability, and intake and digestibility by goats of, 94 (3-4), 269.
- Runoff
 Evaluation of best management practices to reduce nutrient contaminant losses in runoff from broiler litter - amended soils. I. Alum additions, 94 (1-2), 41.
 Evaluation of best management practices to reduce nutrient contaminant losses in runoff from broiler litter -amended soils. II. Grass cover, 94 (1-2), 61.
- Sheep
 Exogenous fibrolytic enzymes affect chemical composition, animal intake and digestibility of guinea grass ha y (*Panicum maximum* Jacq.), 94 (1-2), 131. (Spanish)
- Soil aggregation
 Organic carbon fractions and, in the Río Grande de Arecibo watershed, 94 (1-2), 25.
- Soil, amended
 Evaluation of best management practices to reduce nutrient contaminant losses in runoff from broiler litter - amended soils. I. Alum additions, 94 (1-2), 41.
 Evaluation of best management practices to reduce nutrient contaminant losses in runoff from broiler litter - amended soils. II. Grass cover, 94 (1-2), 61.
- Soil management
 Raised beds and aeration tubing for growing tanager (*Xanthosoma* spp.) in a poorly drained upland Ultisol with a perched water table, 94 (3-4), 225.
- Solanum lycopersicum* L. (See Tomato)
- Sooty mold
 First report of, of longan (*Dimocarpus longan* L.) caused by *Tripaspermum porosporiferum* Matsushima and *T. variabile* Matsushima in Puerto Rico, 94 (3-4), 285.
- Soybean rust
 Virulence of *Phakopsora meibomia* in wild and cultivated legumes in Puerto Rico, 94 (3-4), 211.

Spiders

Associated with papaya in Puerto Rico, 94 (1-2), 189.

Sugar content

Sugars in tropical-type sweet potato varieties of Puerto Rico, 94 (1-2), 205.

Sweet potato

Sugars in tropical-type sweet potato varieties of Puerto Rico, 94 (1-2), 205.

Tanier

Raised beds and aeration tubing for growing tanier (*Xanthosoma* spp.) in a poorly drained upland Ultisol with a perched water table, 94 (3-4), 225.

Tomato

Response to fertilizer nitrogen and compost, 94 (1-2), 79.

Tripospermum spp.

First report of sooty mold of longan (*Dimocarpus longan* L.) caused by, in Puerto Rico, 94 (3-4), 285.

Velvet bean

Release of 'Bejuco-90 Días' and 'Arbusto' velvetbean cultivars, 94 (3-4), 293.

Watershed, tropical

Soil aggregation and organic carbon fractions in the Río Grande de Arecibo watershed, 94 (1-2), 25.

Soil organic matter stocks and spatial distribution in the Río Grande de Arecibo watershed, 94 (1-2), 1.

Water management

Raised beds and aeration tubing for growing tanier (*Xanthosoma* spp.) in a poorly drained upland Ultisol with a perched water table, 94 (3-4), 225.

Weed management

During and after establishment of rhizoma perennial peanut, 94 (1-2), 111.

Xanthosoma spp. (See Tanier)