



American Association of Professional Farriers  
International Association of Professional Farriers

**"A Global Commitment to  
Farrier & Horse Owner Education"**



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## Equine Nutrition Overview

*by Darren Owen CFAPF and Rosie Markadakis*

Often overlooked when making the decision on which feed to give a horse is the largest and most voracious nutrient-consuming glandular organ: the dermal tissue. The dermal tissue's complex structure, which includes skin, oil glands, hair follicles, and hooves, can clearly indicate whether or not the horse's diet is sufficiently nutritious. (Gravlee, 2017) For example, particularly weak, bruised, or brittle hooves can often be the initial symptoms of poor nutrition. The age-old saying "you are what you eat," applies more deeply to our equine partners. As we've all heard "Horses are only as good as their hooves," so when we feed the horse, we feed the hoof.

As humans we can carefully choose our diets to best ensure that we are receiving all that we need to function at an optimal level. Domesticated horses, on the other hand, lack both the ability and freedom to do so. Horses are non-ruminant herbivores and in the wild they can cover 8-26 kilometers a day looking for adequate forage. (Ellis, 2015) Domesticated horses have usually adjusted to a stall/turnout schedule which greatly reduces their "chew time". For some, access to pasture is not an option, so a steady hay supply is key. Finding a healthy balance to meet the dietary needs required by a horse with that lifestyle can be difficult.

It is the responsibility of the horse owner to seek the guidance of their veterinarian and farrier to make educated choices on which feed and supplements are best for their horse. They need to keep in mind factors like the horse's genetic composition and the level of work required of them. To help horse owners achieve and maintain a high quality, natural and balanced diet for their horses many professionals in equine care have recommendations readily available.

Equines have needs based on their unique anatomy and physiology. A horse has 24 molars and 12 incisors and chews 70 - 90 times per minute. This is the activator of saliva secretion which buffers the gastrointestinal tract. The stomach of a horse is roughly the size of a rugby ball and the key to feeding an equine is little and often. The gastrointestinal tract is 30 meters long and can hold 200 liters of fluid. (Ellis, 2015)

Amino acids are important in the building of connective tissue and horn such as that found in horses' hooves. There is a perception that biotin alone will correct poor hoof quality, however this is not the case. Vitamin C, just like in humans, is an important factor in a horse's nutrition and copper is necessary as well. (Gravlee, 2017)

Even though many of the short-term results of improved nutritional care are subtle and may be difficult to notice, the most important benefits can be found closest to the ground. With a nutritionally appropriate diet, healthier hoof growth is usually noticeable after 8-10 weeks. Although rates of growth can be linked to the age of the horse with a young horse having an increased rate of growth of all the dermal tissue, adult horses' hooves grow at a fairly standard rate. With this being said, not every method or program will work on every horse. The science of nutrition, just like farriery, is sometimes an experimental process; always based on fact, experience, and evidence.

Gravlee, F., (2017) *A Guide to Proper Care and Nutrition for the Equine Hoof*, Cherokee, AL. Life Data Labs

Ellis, A. (2015) *Equine Nutrition, Week One*, University of Edinburgh, Animal Nutrition and Husbandry at the Royal (Dick) School of Veterinary Studies, accessed <http://www.coursera.org/course/equinenutrition>, January 28, 2015.

# CONGRATULATIONS TO OUR TOP 10 CONTINUING EDUCATION CREDIT EARNERS FOR 2017

## CLINICIANS (In Alphabetical Order)

Doug Anderson CF APF-I, Mount Airy, MD  
Mike Bagley CJF II APF-I, Canton, OH  
Daisy Bicking APF-I, Parkersburg, PA  
Roy Bloom CJF APF-I, Drummond, WI  
Esco Buff PhD APF-I CF, Webster, NY  
John Crotehrs CF APF-I, Clarington, OH  
Gary Gatts APF-I, Fredericktown, PA  
Darren Owen CF APF, Scottsville, VA  
Tim Shannon CJF AWCF APF, Moreno Valley, CA  
Craig Trnka CJF APF, Edgewood, NM



## NON-CLINICIANS (In Alphabetical Order)

Will Aichele Jr APF, Hilltown, PA  
Ward Edwards MSc APF, Stirling, Ontario  
Gabe Griffin CF APF-I, Orangevale, CA  
Scott Hunter CF APF-I, Carlisle, PA  
Eddie Marcus APF, Castro Valley, CA  
Joshua Sanders APF-I, Canonsburg, PA  
Matt Savage APF, Fayetteville, OH  
Burr Vanderwart APF, Roswell, NM  
Jim Weatherford CF APF-I, Chandler, AZ  
Richie Wright APF-I, Louisville, KY

## SPECIAL APPRECIATION TO 2017 BOARD OF DIRECTORS

During the AAPF/IAPF Annual Meeting during the 2018 International Hoof-Care Summit in Cincinnati, Ohio, the membership expressed their appreciation to the retiring members of the AAPF/IAPF Board of Directors. Retiring members of the Board of Directors include:

**David Farley CF APF-I** of Coshocton, Ohio & Loxahatchee, Florida

*(As a founding member of the Board of Directors, Dave served as Vice President, President, and Immediate Past President)*

**Roy Bloom CJF APF-I** of Drummond, Wisconsin

*(Roy is also a founding member of the Board and served as Director and Treasurer)*

**Curtis Burns APF-I** of Wellington, Florida

*(Curtis served a three-year term as Director)*

**Tim Cable APF-I** of Blasdell, New York & Wellington, Florida

*(Tim also served a three-year term as Director)*

**Mike Hayward APF-I** of Morgan Hill, California



## HAPPY BIRTHDAY TO THESE “MARCH” MEMBERS

*(If you were born in “March” and your name is not on this list, please notify the AAPF/IAPF office so that we may update our records)*

Jeremiah Beachy APF-I	Joseph Greer AF	William Mayfield APF	Robbie Shuler CJF II APF
Cody Bogard CF APF	Gerald Gregg APF	Lori McDade AF	Bobby Simms APF
Jeff Brown APF	Kyle Hasty	Patrick McKinzey	Hayden Smith
James Bumpaous CJF II	Pete Healey APF-I	Wes Meyer	Nick Spencer APF
Ben Byler APF	Randall Heminger CF APF	Michael O'Neill CJF APF	Jordan St. John APF
Chris Cable	Barrie Hulse CF APF	Kevin Oliver APF	Dave Stephens APF
Raymond Cable Sr.	Gretchen Huysman	Bob Pethick CJF APF	Elam Stoltzfus CJF I APF
John Carlson APF	Ryan Hogan	Mitchel Porter AF	Kevin Strain APF
Heather Colket AF-I	Chuck Jones CJF DWCF	Jaret Pullen APF	Paul Strayer
J. Caleb Dickens	Kim Kobow APF	Jordan Raty AF	Mark Struthers APF
Jay Farley	Patrick Kocher APF-I	Matthew Rayl AF	Conny Svensson CF APF-I
Luke Farmer APF-I	Sylvia Kornherr EPT APF-I	Mark Reilly APF	Scott Trainor
Peter Fletcher APF-I	Amanda Kotler	Christopher Richards	Jason Turk APF
Denise Gagnon	Jeremy Kurtz APF-I	James Rogers CJF I APF	Elizabeth Vandentoorn AF
Larissa Gilbert APF	Elmer Lapp AF	Joshua Sanders APF-I	Jamie Wells APF
Laura Gillespie CJF I APF	Steve Lorenzo APF	Todd Santoro CF APF	Kim Zimmer
Dave Giza APF-I	Richard Mahan AF	Stephen Sarver APF-I	
Paul Goodness CJF APF	Shawn Matherly APF-I	Gary Shifflett APF	

## HAPPY BIRTHDAY TO THESE “APRIL” MEMBERS

*(If you were born in “April” and your name is not on this list, please notify the AAPF/IAPF office so that we may update our records)*

Cody Abatie	Todd Gosnell CF APF	Dustin Marsh APF	Jason RoTramel CJF ASF APF
Sara Allin APF	Juergen Gotthardt FdSc,	Christopher Massengale	Thomas Serio Jr.
Ken Best APF	AWCF BSc (Hons) APF-I	Garrett McDowell AF-I	Chris Shannon APF
Raul Bras DVM CJF APF	Jennifer Graham APF	Tanya Meares BVSc (Hons) APF-I	Jeffery Smith CF CJF II APF-I
Curtis Burns APF-I	Wade Halliday APF-I	Patrick Meck APF-I	Erin Stevens APF
Mike Cinquini	James Houk CF APF	Oliver Middleton AF	Donal Strausbaugh AF
Monique Craig APF	Todd Huber APF	Tristan Miles APF	Michael Sturgeon
Kyle Crawford CJF APF	Lowell Johnson CF APF	Andrew Nelson APF	Joshua Teets APF
Brad Davidson CJF APF	Christopher Kline Sr. CF APF	Kelsie Nickerson AF	William Thomasson APF-I
David Dawson APF	Scott Lampert APF	Paul O'Reilly CF IMF APF	Jason Thomson APF
Johnathan Del Genio	Todd Laughrey DVM PC APF	Terry Peters-Boswell APF-I	Will Thorpe
Earl Ellerbee, CJF	Jody LeBlanc CF APF	Jennifer Poulin APF-I	Mike Tucker CF APF
John Freeseha APF-I	Timothy Lindauer AF	Dave Purves CJF APF	Roy Verocay CJF II APF
Heather Gardiner	Elisa MacDonald CF APF	Juan Pablo (J.P.) Quagliotti APF	Kim West
Tiffany Gardner CF APF-I	Katherine MacFarlane APF-I	David Richards APF	Michael Wildenstein CJF FWCF
Steven Garner II	Mark Male APF	Ronald Riegel DVM	(Hons) APF
	Rosie Markadakis	Jack Roth DVM CME APF	

## HAPPY BIRTHDAY TO THESE “MAY” MEMBERS

*(If you were born in “May” and your name is not on this list, please notify the AAPF/IAPF office so that we may update our records)*

Richard Albrecht APF-I	Benjamin Fitzpatrick APF	Samuel McKee APF	Charlene Sayer APF
Mike Baggett	Dusty Franklin CJF DWCF ASF APF	Thomas McKnight APF-I	Randall Schott APF-I
Brad Baker APF	Joao Freitas APF	Michael Miller MD CJF FWCF	Doug Slabbekorn
Eli Beiler APF	Ritner Goff CF APF	Nolan Mynatt AF	Jason Smith
Andrew Birdsall	Paul Heller APF	Arden Nagy	John Stanley
Brent Brown APF	Tamio Holmes APF	Shawn Nelson APF	Adam Swanson Sr.
Leslie Brown APF-I	Jennifer Horn CJF APF	Jarod Nooren APF	Daniel Sweet DVM
Trevor Burris APF-I	Michael Isles APF-I	Simon Notley	Lauren Tisbo
Ralph Clark AF	Eric John APF	Peter Olsen APF	Israel Vargas
Gabriel Coblentz AF	Phillip Johnson CF APF	Harry Painter CJF APF	Allan Voeller APF-I
William Cooper	Guy Jones	Larry Pearle APF	Danny Wallace
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Nathaniel Doster CJF I APF-I	Stephen King AF	Thomas Rautenbach APF	Wayne Whitson Jr. APF
Tristen Evans	Gabriel Kohler	Yancy Russell CF APF	Russ Whyde
Patrick Falvey CF APF-I	Steve Kostelec	John Samsill APF	Audrey Williams AF-I
John Favicchia APF	Jeff Mangone APF-I	Robert Sanders APF	Sara Wollaston-Hayden CF APF
Matthew Ferut APF-I		Joseph Santos APF	Tyler Woodard APF

# ***INTRODUCING THE 2018 AAPF/IAPF MEMBERSHIP REWARDS PROGRAM***

***By Gary Gatts APF-I, Chairman, Membership Development Committee***

This new program provides members with an opportunity to earn apparel, backpacks, membership, and more while helping YOUR association.

## **How the Program Works:**

- For performing various tasks (see below), members will be able to earn AAPF/IAPF “ProFarrier Reward Points”. (These points will be equal to dollar amounts.)
- Members will be able to accumulate these AAPF/IAPF ProFarrier Reward Points and use them to purchase:
  - AAPF/IAPF Apparel and other items posted on our website’s Online Store
  - Membership Renewal for themselves or others
  - Foundation Credential
  - Stackable Credentials
  - Other Opportunities as Determined by Board of Directors



## **Reward Earning Opportunities:**

- **Volunteering\*** to work an educational event (where AAPF/IAPF CE Credits are being offered) at the AAPF/IAPF table the member will earn Twenty (20) ProFarrier Reward Points (plus a special Thank You Gift). Confirmation of attendance prior and after the event must be made through the AAPF/IAPF office.
- For every new member (regular or associate – paying \$200 per year), the recruiting member will earn Ten (10) AAPF/IAPF ProFarrier Reward Points. Confirmation of recruiting must be made through the AAPF/IAPF Office.
- For every member (regular or associate – paying \$200 per year) who has been dropped (list available by contacting AAPF/IAPF office), the recruiting member will earn Ten (10) AAPF/IAPF ProFarrier Reward Points. Confirmation of recruiting must be made through the AAPF/IAPF Office.
- For submitting photos. For every photo that is used on the AAPF/IAPF Website or Newsletter the member will receive five (5) AAPF/IAPF ProFarrier Reward Points

## **Examples:**

1: If an AAPF/IAPF member represents us at an CE Event (where AAPF/IAPF CE Credits are being offered and that member confirmed in advanced that they are attending that event) they will earn 20 ProFarrier Reward Points. If they recruit 2 new members, they earn an additional 20 ProFarrier Reward Points (5 points per person). That is a total of 40 ProFarrier Reward Points earned in one day. That’s a shirt from the AAPF/IAPF online store!

2: An AAPF/IAPF member represents us at 5 CE Events throughout the year and they earn 100 ProFarrier Reward Points. Then they also recruit 10 members that year for another 100 ProFarrier Reward Points. They have a total of 200 ProFarrier Reward Points. That pays their dues for the next year!

***\*Volunteering requirements: Setting up an AAPF/IAPF table with materials provide by the association. Delivering a 2 - 3 minute presentation about the AAPF/IAPF (as approved by host of event). Attending the table at all breaks, recruiting new members, assisting with renewal of existing members, being there to answer questions about the associations, and, if necessary, asking attendees to sign-in for their CE Credits.***

**QUESTIONS or to VOLUNTEER? Contact Gary Gatts APF-I at 724-263-5356 or [garygatts@gmail.com](mailto:garygatts@gmail.com)**



## CALENDAR OF EVENTS

### APRIL

3: Oakhurst Equine Forum, Newberg, OR – Clinician: Sylvia Ouellete DVM (3 CE)  
4 – 7: TEVA Evidence-Based Farriery for Equine Practitioners, Irving, TX – Clinicians: Scott Morrison DVM APF, Andrew Parks VetMB, Michael Wildenstein CJF FWCF (Hons) APF (16.5 CE)  
7: Double Bar One Clinic, Leoti, KS – Clinician: Travis Burns CJF TE EE FWCF APF-I  
7: Radiology for the Farrier, Clearwater, FL – Clinician: Esco Buff PhD APF-I CF (7 CE)  
14: Centaur Forge Clinic, Burlington, WI – Clinician: Stever Sermersheim CJF TE (6 CE)  
14: Miller & Associates Clinic, Brewster, NY – Clinicians: Richard Mansmann VMD & Hans Castelijns DVM CF (7.5 CE)  
14: Monetta Farrier's Spring Fling, Aiken, SC – Clinician: Jim Quick CJF  
20 – 21: Talking Hooves Clinic, Monticello, IA – Clinician: Martin Kenny CJF APF (14 CE)  
20: 7<sup>th</sup> Annual Oakridge Equine Clinic, Edmond, OK – Clinician: Dr. Jenni Kristek (6 CE)  
21: Equine Podiatry Conference, Knoxville, TN – Clinicians: Steve O'Grady DVM MRCVS & Darren Owen CF APF (7 CE)  
21: 29<sup>th</sup> Annual Meader's Farrier Appreciation Day, Rochester, NH – Clinician: Jake Engler CJF  
28: NCHA Leatherwood Clinic, Ferguson, NC – Clinician: Chad Holmes (7 CE)  
28: 13<sup>th</sup> Annual NWPVMA Equine Symposium, Clarks Mills, PA – Clinician: Richard Mansmann VMD (8 CE)  
28: High Country Horseshoes Clinic, Langley, BC – Clinician: Travis Burns CJF TE EE FWCF APF-I

### MAY

1: Oakhurst Equine Forum, Newberg, OR – Clinician: Sylvia Ouellete DVM (3 CE)  
4: Clinique de Forge avec Roy Bloom CJF APF-I,  
4: Vermont Farriers Association Spring Clinic, So. Woodstock, VT – Clinician: Myron McLane CJF (6 CE)  
12: Delmarva Clinic with Chris Gregory CJF FWCF, Camden-Wyoming, DE (7 CE)  
12: Farmer's Feed & Supply Clinic, Montgomery, AL – Clinician: Hank Chisholm CJF  
24 – 26: Whole Horse Approach Clinic, Waverly, WV – Clinician: Esco Buff PhD APF-I CF (22 CE)  
25 – 29: Daisy Haven Farm Hoof Workshop, Parkesburg, PA – Clinician: Daisy Bicking APF-I (35 CE)

*For details about these clinics and others, visit – [www.ProfessionalFarriers.com](http://www.ProfessionalFarriers.com)*

## TIP OF THE MONTH

### Why Don't Horses' Hooves Freeze in the Winter?

#### *“Arteriovenous Anastomosis”*

Between the veins and arteries in a horses' hoof are flow adjustable vessels that cause blood flow to bypass the capillaries. These blood flow vessels are also involved in the control of the blood pressure and thermoregulation. When the surrounding temperature is frigid, more blood flow is allowed keeping the internal temperature within certain boundaries.



*Special thanks to Cathy Lesperance APF-I of Fergus, Ontario for providing this “Tip of the Month”. If you have a tip and want to share it with your fellow AAPF/IAPF members, please email it to [aapf@professionalfarriers.com](mailto:aapf@professionalfarriers.com) Pictures are encouraged.*

## “READ” – by Mike Bagley CJP II APF-I

I know it seems like a strange title for an article in a farrier newsletter, but hear me out, or better, read me out. I am a bookworm, I don't just love to read, I love to read books, as a result I own a very large library which includes everything from self-help books, to auto repair manuals, to home improvement books, to every book on horseshoeing that I've been able to find. I still find it rewarding to pick up a book, crack it open and start reading the written words.

A good example of this is when I bought my house, it needed a lot of work, the bathroom needed remodeled, much of the drywall needed repaired or replaced, I was able to hire some of the work out but the rest I was able to do myself because I went to the library and borrowed how to books on plumbing and carpentry, and I read.

I also maintain and repair my own vehicles, which saves me a lot of money and downtime, having a background in auto mechanics helps, but reading repair manuals helps as well.

Which brings me back to the original topic, reading is not only a great way to learn, it is a good way to improve yourself, and your vocabulary. I used to keep a dictionary beside me when I was reading in case I came across a word that I didn't know, now that I have a smartphone with Google I find myself just looking them up that way.

Our AAPF/IAPF Foundation Credential is a great read, everything is covered from terminology to business practices, if you haven't taken advantage of this program I highly recommend it as both a great learning tool and reference manual. Call the AAPF/IAPF office to order your Foundation Credential. Enjoy the READ!

So, in this modern age we live in with all the devices available today there is no excuse to not read. Pick your favorite way be it your smartphone, your tablet, your computer or my favorite a book or magazine, just read, you'll be surprised what you can learn.

Now that I'm done writing to you about reading I'm going to get back to my book. Take care and good reading.



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