



SOUTHERN STATES

AND

CULPEPER FARMERS COOPERATIVE

HORSE FEED

COMPARISON MANUAL

Updated: 11/01/10

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HORSE FEED COMPARISONS

Culpeper Farmers Coop	Southern States	Southern States Advantages
Pace-Maker 105 (textured)	Legends Show & Pleasure (textured)	Higher fat content (6% versus 3%). Added biotin, amino acids, organic selenium.
	Southern States Reliance (pelleted)	Higher fat content (3.5% versus 3%).
Pace-Maker 130 (textured)	Legends Show & Pleasure (textured)	Higher fat content (6% versus 3%). Added biotin, amino acids and organic selenium.
	Southern States Reliance (textured)	Higher fat content (3.5% versus 3%).
Pace-Maker 160 (textured)	Legends Mare & Foal (textured)	Added biotin, amino acids and organic selenium.
	Southern States 14-SIX (textured)	More added fiber/less starch.
Pace-Maker Performance (textured)	Legends Performance (textured)	Higher fat content (10% versus 8%), rice bran, flax seed and organic selenium.
	Southern States Triple 10 (textured)	Higher fat content (10% versus 8%). More added fiber/less starch.
Pace-Maker Epic (textured)	Triple Crown Complete (textured)	More digestive aids and nutrient guarantees.
	Legends Performance (textured)	
Pace-Maker Gold (textured)	Legends Performance (textured)	Higher fat content (10% versus 8%). Added biotin, rice bran, flax seed, amino acids, lysolecithin and organic selenium.
	Southern States Triple 10 (textured)	Higher fat content (10% versus 8%) and vitamin guarantee.
Pace-Maker Fat & Fiber (pelleted)	Southern States Solution (pelleted)	Higher lysine guarantee.
	Legends Maturity (pelleted)	Guaranteed lysine and biotin and added organic selenium.
	Triple Crown Low Starch (pelleted)	Greater vitamin E guarantee. Added probiotics, mycotoxin and bacteria binders, flaxseed, rice bran, beet pulp, digestive enzymes, amino acids, kelp meal, lecithin, biotin and three additional organic trace minerals.

HORSE FEED COMPARISONS
(continued)

Culpeper Farmers Coop	Southern States	Southern States Advantages
Pace-Maker Pellet (pelleted)	Legends Grow & Perform (pelleted)	Higher fat content (6% versus 3%). Added biotin, amino acids, organic selenium.
	Southern States 11-SIX (pelleted)	Higher fat content (6% versus 3%).
	Southern States Reliance (pelleted)	Higher fat content (3.5% versus 3%).
Pace-Maker All-In-One (pelleted)	Southern States Hay Stretcher (pelleted)	More added fiber/less starch.
	Legends Maturity (pelleted)	Higher fat content (6% versus 2.5%). Added biotin, amino acids, organic selenium and vitamin C.
Pace-Maker Old Timers Blend (pelleted)	Legends Maturity (pelleted)	Higher fat content (6% versus 5%). Added biotin, amino acids, vitamin C and organic selenium.
Pace-Maker 25% Supplement (pelleted)	Triple Crown 30% Supplement (pelleted)	Greater vitamin E content and added vitamin C. Guaranteed levels of four amino acids. Added probiotics, mycotoxin and bacteria binders, flax seed, rice bran, beet pulp, digestive enzymes, kelp meal, yucca, lecithin, biotin and three additional organic trace minerals.

Pace-Maker 105 (textured)

Guaranteed Nutrient or Additive	Pace-Maker 105	Southern States Reliance	Legends Show & Pleasure
Crude Protein (min)	10.5%	11.0%	11.0%
Crude Fat (min)	3.0%	3.5%	6.0%
Crude Fiber (max)	9.0%	12.0%	12.0%
Lysine (min)	No Guarantee	No Guarantee	0.50%
Threonine (min)	No Guarantee	No Guarantee	0.35%
Methionine & Cystine (min)	No Guarantee	No Guarantee	0.30%
Calcium (min)	0.65%	0.50%	0.60%
Calcium (max)	0.80%	1.0%	1.10%
Phosphorus (min)	0.55%	0.40%	0.50%
Potassium (min)	No Guarantee	No Guarantee	0.90%
Magnesium (min)	No Guarantee	No Guarantee	0.40%
Zinc (min)	120 ppm	90 ppm	150 ppm
Manganese (min)	No Guarantee	No Guarantee	120 ppm
Copper (min)	40 ppm	30 ppm	50 ppm
Selenium (min)	0.60 ppm	0.35 ppm	0.60 ppm
Vitamin A (min)	6,500 IU/lb	3,500 IU/lb	6,000 IU/lb
Vitamin D₃ (min)	750 IU/lb	200 IU/lb	400 IU/lb
Vitamin E (min)	100 IU/lb	35 IU/lb	100 IU/lb
Biotin (min)	No Guarantee	No Guarantee	0.30 mg/lb
Yeast Culture	Yes	No	Yes
Organic Trace Minerals	Three	Selenium Only	Four

Pace-Maker 130 (textured)

Guaranteed Nutrient or Additive	Pace-Maker 130	Southern States Reliance	Legends Show & Pleasure
Crude Protein (min)	13.0%	11.0%	11.0%
Crude Fat (min)	3.0%	3.5%	6.0%
Crude Fiber (max)	9.0%	12.0%	12.0%
Lysine (min)	No Guarantee	No Guarantee	0.50%
Threonine (min)	No Guarantee	No Guarantee	0.35%
Methionine & Cystine (min)	No Guarantee	No Guarantee	0.30%
Calcium (min)	0.75%	0.50%	0.60%
Calcium (max)	0.85%	1.0%	1.10%
Phosphorus (min)	0.60%	0.40%	0.50%
Magnesium (min)	No Guarantee	No Guarantee	0.40%
Potassium (min)	No Guarantee	No Guarantee	0.90%
Zinc (min)	125 ppm	90 ppm	150 ppm
Manganese (min)	No Guarantee	No Guarantee	120 ppm
Copper (min)	40 ppm	30 ppm	50 ppm
Selenium (min)	0.80 ppm	0.35 ppm	0.60 ppm
Vitamin A (min)	6,000 IU/lb	3,500 IU/lb	6,000 IU/lb
Vitamin D₃ (min)	450 IU/lb	200 IU/lb	400 IU/lb
Vitamin E (min)	100 IU/lb	35 IU/lb	100 IU/lb
Biotin (min)	No Guarantee	No Guarantee	0.30 mg/lb
Yeast Culture	Yes	No	Yes
Organic Trace Minerals	Three	Selenium Only	Four

Pace-Maker 160 (textured)

Guaranteed Nutrient or Additive	Pace-Maker 160	Southern States 14-SIX	Legends Mare & Foal
Crude Protein (min)	16.0%	14.0%	16.0%
Crude Fat (min)	6.0%	6.0%	6.0%
Crude Fiber (max)	14.0%	12.0%	12.0%
Lysine (min)	No Guarantee	No Guarantee	0.85%
Threonine (min)	No Guarantee	No Guarantee	0.50%
Methionine & Cystine (min)	No Guarantee	No Guarantee	0.45%
Cystine (min)	No Guarantee	No Guarantee	0.45%
Calcium (min)	1.00%	0.75%	0.65%
Calcium (max)	1.40%	1.25%	1.15%
Phosphorus (min)	0.75%	0.40%	0.65%
Potassium (min)	No Guarantee	No Guarantee	0.90%
Magnesium (min)	No Guarantee	No Guarantee	0.40%
Zinc (min)	170 ppm	100 ppm	180 ppm
Manganese (min)	No Guarantee	No Guarantee	150 ppm
Copper (min)	50 ppm	30 ppm	60 ppm
Selenium (min)	1.0 ppm	0.35 ppm	0.60 ppm
Vitamin A (min)	7,800 IU/lb	3,500 IU/lb	6,000 IU/lb
Vitamin D₃ (min)	750 IU/lb	200 IU/lb	400 IU/lb
Vitamin E (min)	110 IU/lb	35 IU/lb	100 IU/lb
Vitamin C (min)	No	No	No
Biotin (min)	No Guarantee	No Guarantee	0.30 mg/lb
Probiotic Bacteria	No	No	No
Yeast Culture	Yes	No	Yes
Organic Trace Minerals	Three	Selenium Only	Four
Beet Pulp	No	No	Yes

Pace-Maker Performance (textured)

Guaranteed Nutrient or Additive	Pace-Maker Performance	Southern States Triple 10	Legends Performance
Crude Protein (min)	12.0%	10.0%	11.0%
Crude Fat (min)	8.0%	10.0%	10.0%
Crude Fiber (max)	9.0%	10.0%	12.0%
Lysine (min)	No Guarantee	No Guarantee	0.50%
Threonine (min)	No Guarantee	No Guarantee	0.35%
Methionine& Cystine (min)	No Guarantee	No Guarantee	0.30%
Calcium (min)	1.00%	0.75%	0.60%
Calcium (max)	1.30%	1.25%	1.10%
Phosphorus (min)	0.80%	0.45%	0.50%
Potassium (min)	No Guarantee	No Guarantee	0.90%
Magnesium (min)	No Guarantee	No Guarantee	0.40%
Zinc (min)	200 ppm	140 ppm	120 ppm
Manganese (min)	No Guarantee	No Guarantee	100 ppm
Copper (min)	65 ppm	45 ppm	40 ppm
Selenium (min)	1.0 ppm	0.45 IU/lb	0.60 ppm
Vitamin A (min)	11,000 IU/lb	4,000 IU/lb	6,000 IU/lb
Vitamin D₃ (min)	1,100 IU/lb	400 IU/lb	400 IU/lb
Vitamin E (min)	175 IU/lb	75 IU/lb	100 IU/lb
Vitamin C (min)	No	No	No
Biotin (min)	No Guarantee	No Guarantee	0.30 mg/lb
Yeast Culture	Yes	Yes	Yes
Rice Bran	No	No	No
Organic Trace Minerals	Three	Four	Four
Flax Seed	No	No	Yes
Lysolecithin	No	No	Yes

Pace-Maker Epic (textured)

Guaranteed Nutrient or Additive	Pace-Maker Epic	Legends Performance	Triple Crown Complete Formula
Crude Protein (min)	12.0%	12.0%	11.0%
Crude Fat (min)	10.0%	10.0%	10.0%
Crude Fiber (max)	16.5%	18.0%	15.0%
Lysine (min)	0.50%	0.55%	0.60%
Threonine (min)	No Guarantee	0.40%	0.35%
Methionine (min)	No Guarantee	0.30% (methionine + cystine)	0.25% (methionine + cystine)
Cystine (min)	No Guarantee	0.30% (methionine + cystine)	0.25% (methionine + cystine)
Calcium (min)	0.70%	0.60%	0.75%
Calcium (max)	1.10%	1.10%	1.25%
Phosphorus (min)	0.50%	0.50%	0.50%
Potassium (min)	0.50%	0.90%	1.0%
Magnesium (min)	0.20%	0.40%	0.50%
Iron (min)	125 ppm	No Guarantee	175 ppm
Zinc (min)	125 ppm	120 ppm	100 ppm
Manganese (min)	No Guarantee	100 ppm	90 ppm
Copper (min)	35 ppm	40 ppm	35 ppm
Selenium (min)	0.65 ppm	0.60 ppm	0.30 ppm
Vitamin A (min)	6,000 IU/lb	6,000 IU/lb	3,500 IU/lb
Vitamin D₃ (min)	400 IU/lb	400 IU/lb	500 IU/lb
Vitamin E (min)	100 IU/lb	100 IU/lb	110 IU/lb
Vitamin C (min)	No	No	27 mg/lb
Biotin (min)	0.45 mg/lb	0.30 mg/lb	0.20 mg/lb
Probiotic Bacteria	No	No	0.825 M CFU/g Lactobacillus Acidophilus
Yeast Culture	Yes	Yes	1.65 M CFU/g Saccharomyces Cerevisiae
Cellulase	No	No	70 CMC-ase Units/lb
Protease	No	No	0.3 Northrup Units/lb
Bacteria Binder	No	No	Yes
Mycotoxin Binder	No	No	Yes
Rice Bran	No	Yes	Yes
Organic Trace Minerals	Yes	Yes	Yes
Beet Pulp	Yes	Yes	Yes
Flaxseed	Yes	Yes	Yes
Lecithin/Lysolecithin	No	Yes	Yes

Pace-Maker Gold (textured)

Guaranteed Nutrient or Additive	Pace-Maker Gold	Southern States Triple 10	Legends Performance
Crude Protein (min)	10.0%	10.0%	11.0%
Crude Fat (min)	8.0%	10.0%	10.0%
Crude Fiber (max)	9.0%	10.0%	12.0%
Lysine (min)	No Guarantee	No Guarantee	0.40%
Threonine (min)	No Guarantee	No Guarantee	0.35%
Methionine (min)	No Guarantee	No Guarantee	0.40% (methionine + cystine)
Cystine (min)	No Guarantee	No Guarantee	0.40% (methionine + cystine)
Calcium (min)	0.60%	0.75%	0.60%
Calcium (max)	0.85%	1.25%	1.10%
Phosphorus (min)	0.55%	0.45%	0.50%
Potassium (min)	No Guarantee	No Guarantee	0.90%
Magnesium (min)	No Guarantee	No Guarantee	0.40%
Zinc (min)	120 ppm	140 ppm	120 ppm
Manganese (min)	No Guarantee	No Guarantee	100 ppm
Copper (min)	40 ppm	45 ppm	40 ppm
Selenium (min)	0.60 ppm	0.45 ppm	0.60 ppm
Vitamin A (min)	6,500 IU/lb	4,000 IU/lb	6,000 IU/lb
Vitamin D₃ (min)	No Guarantee	400 IU/lb	400 IU/lb
Vitamin E (min)	100 IU/lb	75 IU/lb	100 IU/lb
Vitamin C (min)	No Guarantee	No Guarantee	No
Biotin (min)	No Guarantee	No Guarantee	0.30 mg/lb
Yeast Culture	Yes	Yes	Yes
Rice Bran	No	No	Yes
Organic Trace Minerals	Three	Four	Four
Beet Pulp	No	No	Yes
Flax Seed	No	No	Yes
Lysolecithin	No	No	Yes

Pace-Maker Fat & Fiber (pelleted)

Guaranteed Nutrient or Additive	Pace-Maker Fat & Fiber	Southern States Solution	Legends Maturity	Triple Crown Low Starch
Crude Protein (min)	12.0%	14.0%	12.0%	13.0%
Crude Fat (min)	6.0%	6.0%	6.0%	6.0%
Crude Fiber (max)	20.0%	15.0%	18.0%	18.0%
Lysine (min)	0.55%	0.80%	0.60%	0.70%
Threonine (min)	No Guarantee	No Guarantee	0.40%	0.35%
Methionine (min)	No Guarantee	No Guarantee	0.40% (methionine + cystine)	0.40% (methionine + cystine)
Cystine (min)	No Guarantee	No Guarantee	0.40% (methionine + cystine)	0.40% (methionine + cystine)
Calcium (min)	1.00%	0.75%	0.60%	0.75%
Calcium (max)	1.30%	1.25%	1.10%	1.25%
Phosphorus (min)	0.80%	0.55%	0.60%	0.60%
Potassium (min)	No Guarantee	No Guarantee	1.0%	0.75%
Magnesium (min)	No Guarantee	No Guarantee	0.40%	0.50%
Iron (min)	No Guarantee	No Guarantee	No Guarantee	170 ppm
Zinc (min)	190 ppm	185 ppm	150 ppm	170 ppm
Manganese (min)	No Guarantee	No Guarantee	120 ppm	100 ppm
Copper (min)	50 ppm	65 ppm	50 ppm	50 ppm
Selenium (min)	1.10 ppm	0.60 ppm	0.60 ppm	0.60 ppm
Vitamin A (min)	6,000 IU/lb	4,000 IU/lb	6,000 IU/lb	6,000 IU/lb
Vitamin D₃ (min)	600 IU/lb	400 IU/lb	400 IU/lb	500 IU/lb
Vitamin E (min)	100 IU/lb	80 IU/lb	100 IU/lb	200 IU/lb
Vitamin C (min)	No	No	30 mg/lb	45 mg/lb
Biotin (min)	No Guarantee	No Guarantee	0.30 mg/lb	0.30 mg/lb
Probiotic Bacteria	No	No	No	2.0 M CFU/g Lactobacillus Acidophilus
Yeast Culture	Yes	Yes	Yes	4.0 M CFU/g Saccharomyces Cerevisiae
Cellulase	No	No	No	110 CMC-ase Units/lb
Protease	No	No	No	0.40 Northrup Units/lb
Bacteria Binder	No	No	No	Yes
Mycotoxin Binder	No	No	No	Yes
Rice Bran	No	No	No	Yes
Organic Trace Minerals	Three	Four	Four	Six
Beet Pulp	No	Yes	Yes	Yes
Flax Seed	No	No	No	Yes
Lecithin/Lysolecithin	No	No	Yes	Yes

Pace-Maker Pellet (pelleted)

Guaranteed Nutrient or Additive	Pace-Maker Pellet	Southern States Reliance	Southern States 11-SIX	Legends Show & Pleasure
Crude Protein (min)	13.0%	11.0%	11.0%	11.0%
Crude Fat (min)	3.0%	3.5%	6.0%	6.0%
Crude Fiber (max)	9.0%	15.0%	15.0%	12.0%
Lysine (min)	No Guarantee	No Guarantee	No Guarantee	0.50%
Threonine (min)	No Guarantee	No Guarantee	No Guarantee	0.40%
Methionine % Cystine (min)	No Guarantee	No Guarantee	No Guarantee	0.30%
Calcium (min)	0.75%	0.50%	0.75%	0.60%
Calcium (max)	0.85%	1.0%	1.25%	1.10%
Phosphorus (min)	0.60%	0.40%	0.40%	0.50%
Magnesium (min)	No Guarantee	No Guarantee	No Guarantee	0.40%
Potassium (min)	No Guarantee	No Guarantee	No Guarantee	0.90%
Zinc (min)	125 ppm	90 ppm	100 ppm	150 ppm
Manganese (min)	No Guarantee	No Guarantee	No Guarantee	120 ppm
Copper (min)	40 ppm	30 ppm	30 ppm	50 ppm
Selenium (min)	0.80 ppm	0.35 ppm	0.35 ppm	0.60 ppm
Vitamin A (min)	6,000 IU/lb	3,500 IU/lb	3,500 IU/lb	6,000 IU/lb
Vitamin D₃ (min)	450 IU/lb	200 IU/lb	200 IU/lb	400 IU/lb
Vitamin E (min)	100 IU/lb	35 IU/lb	35 IU/lb	100 IU/lb
Biotin (min)	No Guarantee	No Guarantee	No Guarantee	0.30 mg/lb
Yeast Culture	Yes	No	No	Yes
Organic Trace Minerals	Three	Selenium Only	Selenium Only	Four

Pace-Maker All-in-One (pelleted)

Guaranteed Nutrient or Additive	Pace-Maker All-In-One Pellet	Southern States Hay Stretcher	Legends Maturity
Crude Protein (min)	11.0%	11.0%	12.0%
Crude Fat (min)	2.5%	2.0%	6.0%
Crude Fiber (max)	20.0%	28.0%	18.0%
Lysine (min)	No Guarantee	No Guarantee	0.60%
Threonine (min)	No Guarantee	No Guarantee	0.40%
Methionine & Cystine (min)	No Guarantee	No Guarantee	0.35%
Calcium (min)	0.70%	0.50%	0.60%
Calcium (max)	0.80%	1.0%	1.10%
Phosphorus (min)	0.60%	0.40%	0.60%
Magnesium (min)	No Guarantee	No Guarantee	0.40%
Potassium (min)	No Guarantee	No Guarantee	1.0%
Zinc (min)	100 ppm	60 ppm	150 ppm
Manganese (min)	No Guarantee	No Guarantee	120 ppm
Copper (min)	25 ppm	25 ppm	50 ppm
Selenium (min)	0.60 ppm	0.35 ppm	0.60 ppm
Vitamin A (min)	6,000 IU/lb	2,500 IU/lb	6,000 IU/lb
Vitamin D₃ (min)	500 IU/lb	200 IU/lb	400 IU/lb
Vitamin E (min)	100 IU/lb	30 IU/lb	100 IU/lb
Biotin (min)	No	No	0.30 mg/lb
Vitamin C (min)	No	No	30 mg/lb
Yeast Culture	Yes	No	Yes
Organic Trace Minerals	Three	No	Four

Pace-Maker Old Timers Blend (pelleted)

Guaranteed Nutrient or Additive	Pace-Maker Old Timers Blend	Southern States Solution	Legends Maturity
Crude Protein (min)	14.0%	14.0%	12.0%
Crude Fat (min)	5.0%	6.0%	6.0%
Crude Fiber (max)	18.0%	15.0%	18.0%
Lysine (min)	No Guarantee	0.80%	0.60%
Threonine (min)	No Guarantee	No Guarantee	0.35%)
Methionine & Cystine (min)	No Guarantee	No Guarantee	0.30%
Calcium (min)	0.65%	0.75%	0.75%
Calcium (max)	0.80%	1.25%	1.25%
Phosphorus (min)	0.60%	0.55%	0.60%
Magnesium (min)	No Guarantee	No Guarantee	0.40%
Potassium (min)	No Guarantee	No Guarantee	1.0%
Zinc (min)	120 ppm	185 ppm	150 ppm
Manganese (min)	No Guarantee	No Guarantee	120 ppm
Copper (min)	35 ppm	65 ppm	50 ppm
Selenium (min)	0.60 ppm	0.60 ppm	0.60 ppm
Vitamin A (min)	6,000 IU/lb	4,000 IU/lb	6,000 IU/lb
Vitamin D₃ (min)	600 IU/lb	400 IU/lb	400 IU/lb
Vitamin E (min)	100 IU/lb	80 IU/lb	100 IU/lb
Vitamin C	No	No	30 mg/lb
Biotin (min)	No Guarantee	No Guarantee	0.30 mg/lb
Yeast Culture	Yes	Yes	Yes
Organic Trace Minerals	Three	Four	Four

Pace-Maker 25% Supplement Pellet (pelleted)

Guaranteed Nutrient or Additive	Pace-Maker 25% Supplement Pellet	Triple Crown 30% Supplement
Crude Protein (min)	25.0%	30.0%
Crude Fat (min)	2.5%	3.0%
Crude Fiber (max)	8.0%	4.0%
Lysine (min)	No Guarantee	2.0%
Threonine (min)	No Guarantee	1.0%
Methionine (min)	No Guarantee	1.0% (methionine + cystine)
Cystine (min)	No Guarantee	1.0% (methionine + cystine)
Calcium (min)	3.0%	4.0%
Calcium (max)	3.5%	5.0%
Phosphorus (min)	1.8%	1.5%
Potassium (min)	No Guarantee	1.4%
Magnesium (min)	No Guarantee	2.4%
Iron (min)	No Guarantee	750 ppm
Zinc (min)	500 ppm	940 ppm
Manganese (min)	No Guarantee	580 ppm
Copper (min)	160 ppm	295 ppm
Selenium (min)	3.5 ppm	3.4 ppm
Vitamin A (min)	27,000 IU/lb	36,000 IU/lb
Vitamin D₃ (min)	2,000 IU/lb	6,000 IU/lb
Vitamin E (min)	450 IU/lb	1,000 IU/lb
Vitamin C (min)	No Guarantee	270 mg/lb
Biotin (min)	No Guarantee	1.40 mg/lb
Probiotic Bacteria	No	10.0 M CFU/g Lactobacillus Acidophilus
Yeast Culture	Yes	20.0 M CFU/g Saccharomyces Cerevisiae
Cellulase	No	850 CMC-ase Units/lb
Protease	No	3.5 Northrup Units/lb
Bacteria Binder	No	Yes
Mycotoxin Binder	No	Yes
Rice Bran	No	Yes
Organic Trace Minerals	Three	Six
Kelp Meal	No	Yes
Flax Seed	No	Yes
Lecithin	No	Yes