

ANIMAL FEED SECTION



**Midwest
Laboratories[®]**

CATALOG | 2021 EDITION





ANIMAL FEED



Animal Feed ANIMAL FEED PACKAGES

ANALYSES CARRIED OUT ARE STANDARD (WET CHEMISTRY) METHODS

	Required Sample Size	Turnaround Time	Price
F1: GRAIN RATION	250g	2 -3 BD	\$29.00
Moisture, Crude Protein, Calcium, Phosphorus <i>(Applies to pork and poultry grain rations, shelled corn, small grains.)</i>			
F2: COMPLETE PROXIMATES (GUARANTEED ANALYSIS)	250g	2 -3 BD	\$33.00
Moisture, Crude Protein, Crude Fat, Acid Detergent Fiber (ADF), Ash, Total Digestible Nutrients (TDN), Energy (Digestible and Metabolizable), Net Energy (Gain, Lactation, Maintenance) <i>(Applies to feed labels, commodities, feedstuffs where fat content is required.)</i>			
F3: COMPLETE MINERAL			
<i>Finished Product</i>	250g	2 -3 BD	\$27.00
<i>Mineral BaseMix/Pre-Mix</i>	250g	2 -3 BD	\$35.00
Sulfur, Calcium, Magnesium, Sodium, Manganese, Zinc, Potassium, Phosphorus, Iron, Copper <i>(Applies to all feedstuffs where a complete mineral profile is required.)</i>			
F4: PROTEIN	250g	2 -3 BD	\$17.00
Moisture, Crude Protein <i>(Applies to all feedstuffs where protein only is needed.)</i>			
F5: PROTEIN WITH COMPLETE MINERALS	250g	2 -3 BD	\$36.00
Moisture, Crude Protein, Potassium, Phosphorus, Iron, Copper, Sulfur, Calcium, Magnesium, Sodium, Manganese, Zinc <i>(Applies to all feedstuffs where protein and complete mineral content are required.)</i>			
F6: ROUGHAGE WITH COMPLETE MINERALS	250g	2 -3 BD	\$36.00
Moisture, Crude Protein, Potassium, Phosphorus, Iron, Copper, Sulfur, Calcium, Magnesium, Sodium, Manganese, Zinc, Total Digestible Nutrients (TDN), Net Energy (Gain, Lactation, Maintenance) <i>(Applies to all feedstuffs where protein and complete mineral content are required.)</i>			

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	Required Sample Size	Turnaround Time	Price
F7: ROUGHAGE	250g	2 -3 BD	\$23.00
Moisture, Crude Protein, Acid Detergent Fiber (ADF), Total Digestible Nutrients (TDN), Net Energy (Gain, Lactation, Maintenance) <i>(Applies to haylages, mixed hays and silages, mixed rations, ear corn, and mixed grains where only protein and energy are required.) (Does not include fat.)</i>			
F8: ROUGHAGE WITH CA & P	250g	2 -3 BD	\$34.00
Moisture, Crude Protein, Acid Detergent Fiber (ADF), Total Digestible Nutrients (TDN), Net Energy (Gain, Lactation, Maintenance), Calcium, Phosphorus <i>(Applies to haylages, mixed hays, silages, mixed rations, bunk samples.)</i>			
F9: COMPLETE PROXIMATE WITH MINERALS	250g	2 -3 BD	\$52.00
Moisture, Crude Protein, Crude Fat, Acid Detergent Fiber (ADF), Ash, Total Digestible Nutrients (TDN), Energy (Digestible and Metabolizable), Net Energy (Gain, Lactation, Maintenance), Phosphorus, Copper, Iron, Magnesium, Sulfur, Calcium, Sodium, Manganese, Potassium, Zinc <i>(Applies to feedstuffs, grains, grain mixtures, especially where fat oil content is required.)</i>			
F10: RELATIVE FEED VALUE	250g	2 -3 BD	\$26.00
Moisture, Crude Protein, Acid Detergent Fiber (ADF), Neutral Detergent Fiber (NDF), Total Digestible Nutrients (TDN), Net Energy (Gain, Lactation, Maintenance), Relative Feed Value (RFV) <i>(Applies to alfalfa hay, mixed hays and silages where RFV and energy values are required.)</i>			
F11: CALCIUM AND PHOSPHORUS SCREEN	100g	2 -3 BD	\$27.00
F12: MOISTURE AND NITRATE	50g	2 -3 BD	\$21.00
<i>(Applies to Forages.)</i>			



Animal Feed BASIC INGREDIENT

	Required Sample Size	Turnaround Time	Price
I1: SOYBEAN MEAL OR HULLS CANOLA MEAL	250g	3 BD	\$23.00
Moisture, Crude Protein, Crude Fiber			
I2: MILO	250g	3 BD	\$17.00
Moisture, Crude Protein			
I3: DDGS	250g	3 BD	\$52.00
Moisture, Crude Protein, Crude Fat, Crude Fiber, Ash, Calcium, Phosphorus, Sulfur			
I4: WHEAT MIDDS	250g	3 BD	\$34.00
Moisture, Crude Protein, Crude Fiber, Calcium, Phosphorus			
I5: SHELLED CORN	250g	3 BD	\$17.00
Moisture, Crude Protein			
I6: CORN, HOMINY, WHOLE COTTON SEED, SUNFLOWER MEAL	250g	3 BD	\$29.00
Moisture, Crude Protein, Crude Fat			
I7: BAKERY MEAL	250g	3 BD	\$50.00
Moisture, Crude Protein, Acid Hydrolysis Fat, Crude Fiber, Ash Calcium, Phosphorus, Sodium, Salt (Na)			
I8: MEAT AND BONE MEAL	250g	3 BD	\$52.00
Moisture, Crude Protein, Crude Fat, Calcium Phosphorus, Chloride, Salt (Cl)			
I9: FISH OR POULTRY MEAL	250g	3 BD	\$46.00
Moisture, Crude Protein, Crude Fat, Ash, Calcium, Phosphorus			
I10: WHEY, WHEY PERMEATE, OR DAIRY LAC	250g	3 BD	\$36.00
Moisture, Crude Protein, Calcium, Phosphorus, Chloride, Salt (Cl)			
I14: MIXER TEST	(10) 250g	5 BD	\$270.00
Ten samples for one of the following elements: Sodium, Magnesium, Manganese, Zinc			
EACH ADDITIONAL ELEMENT			\$70.00

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Animal Feed TALLOW, FAT, & OIL

	Required Sample Size	Turnaround Time	Price
TALLOW, FAT & OIL ANALYSIS			
AOM-Oxidative Stability Index (OSI)	50g	5 BD	\$85.00
Free Fatty Acids	25mL	2 - 3 BD	\$30.00
Iodine Value	25mL	2 - 3 BD	\$50.00
Moisture (Karl Fisher)	25mL	2 - 3 BD	\$35.00
Moisture (Vacuum Oven)	25mL	2 - 3 BD	\$12.00
MIU (Moisture, Insolubles, Unsaponifiables, Total Fat (Calculated))	25mL	3 - 5 BD	\$55.00
p-anisidine	25mL	4 - 6 BD	\$30.00
Peroxide Value	25mL	2 - 3 BD	\$30.00
Phosphorus	25mL	5 - 7 BD	\$75.00
Sulfur	25mL	5 - 7 BD	\$60.00
Total Fatty Acids	30g	7 - 10 BD	\$100.00



Animal Feed ADDITIONAL TEST PACKAGES

ACRYLAMIDE	20g	7 - 10 BD	\$150.00
AMINO ACID PROFILE <i>Requires Protein</i>	50g	7 - 10 BD	\$300.00
Alanine, Arginine, Aspartic acid, Cystine, Glutamic acid, Glycine, Histidine, Isoleucine, Leucine, Lysine, Methionine, Phenylalanine, Proline, Serine, Threonine, Tryptophan, Tyrosine, Valine			
Cystine, Methionine	50g	7 - 10 BD	\$105.00
Lysine	50g	5 - 7 BD	\$90.00
Taurine	50g	5 - 7 BD	\$90.00
ANTIBIOTIC RESIDUES (LC/MS/MS)			
Chlortetracycline residue	Doxycycline residue	Erythromycin residue	
Oxytetracycline residue	Penicillin residue	Streptomycin residue	
Tetracycline residue	Tylosin residue	Virginiamycin residue	
Any one (1) of the above	100g	7 - 10 BD	\$150.00
Any two (2) of the above	100g	7 - 10 BD	\$220.00
Any three (3) of the above	100g	7 - 10 BD	\$310.00
Full Screen (as many as are available)	100g	7 - 10 BD	\$550.00

	Required Sample Size	Turnaround Time:	Price	
ANTIOXIDANT				
Ethoxyquin	50g	5 - 7 BD	\$100.00	
Propyl Gallate	50g	5 - 7 BD	\$110.00	
BHA	50g	5 - 7 BD	\$110.00	
BHT	50g	5 - 7 BD	\$110.00	
TBHQ	50g	5 - 7 BD	\$110.00	
BHA and BHT	50g	5 - 7 BD	\$200.00	
BHA, BHT, TBHQ	50g	5 - 7 BD	\$250.00	
BIOGENIC AMINES				
PACKAGE 1: Putrecine, Cadaverine, Histamine	100g	5 - 7 BD	\$150.00	
PACKAGE 2: Putrecine, Cadaverine, Histamine, Tryptamine, Tyramine, Spermidine, Spermine, 2-phenylethylamine	100g	5 - 7 BD	\$205.00	
FATTY ACID PROFILE	50g	7 - 10 BD	\$185.00	
Includes individual Fatty Acids, Saturated Fat, Monounsaturated Fat, Omega 3 Fatty Acids, Polyunsaturated Fat, Trans Fatty Acid, Omega 6 Fatty Acids. (<i>Requires Crude or Acid Fat</i>)				
FIBER PACKAGE				
Dietary Fiber: Insoluble, Soluble, Total	100g	5 - 7 BD	\$300.00	
Total Dietary Fiber only	50g	5 - 7 BD	\$175.00	
GMO DETECTION (DDPCR)				
	Required Sample Size	Turnaround Time	Basic Screen Price	Event Specific Price
Alfalfa	100g	3 - 5 BD	\$175.00	\$100.00
Canola	100g	3 - 5 BD	\$175.00	\$100.00
Corn	100g	3 - 5 BD	\$350.00	\$100.00
Flax	100g	3 - 5 BD	\$175.00	\$100.00
Papaya	100g	3 - 5 BD	\$175.00	\$100.00
Potato	100g	3 - 5 BD	\$175.00	\$100.00
Rapeseed (Canola)	100g	3 - 5 BD	\$175.00	\$100.00
Rice	100g	3 - 5 BD	\$175.00	\$100.00
Soy	100g	3 - 5 BD	\$295.00	\$100.00
Sugar Beets	100g	3 - 5 BD	\$175.00	\$100.00
Squash/Zucchini	100g	3 - 5 BD	\$175.00	\$100.00
Tomato	100g	3 - 5 BD	\$175.00	\$100.00
Wheat	100g	3 - 5 BD	\$175.00	\$100.00

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	Required Sample Size	Turnaround Time:	Price
GLYCOALKALOIDS PACKAGE	50g	5 - 7 BD	\$150.00
Chaconine, Solanine			
INULIN	25g	7 - 10 BD	\$165.00
MANNOSE	25g	5 - 7 BD	\$90.00
MELAMINE & RELATED COMPOUNDS (MARC) PACKAGE (LC/MS/MS)			
Ammeline, Ammelide, Cyanuric Acid, Melamine	100g	5 - 7 BD	\$180.00
Melamine Only	100g	5 - 7 BD	\$120.00
MYCOTOXIN ANALYSIS BY LC/MS/MS			
Aflatoxin (B1, B2, G1, G2)	100g	5 - 7 BD	\$75.00
Aflatoxin (M1)	100g	5 - 7 BD	\$75.00
DON (Vomitoxin)	100g	5 - 7 BD	\$75.00
Fumonisin (B1, B2, B3)	100g	5 - 7 BD	\$75.00
Ochratoxin A	100g	5 - 7 BD	\$75.00
T2 Toxin	100g	5 - 7 BD	\$75.00
Zearalenone	100g	5 - 7 BD	\$75.00
Full Screen (except M1)	100g	5 - 7 BD	\$260.00
Patulin (not included in Full Screen)	100g	4 - 6 BD	\$150.00
ORGANIC ACIDS PACKAGE (BY HPLC)	25g	5 - 7 BD	\$120.00
Acetic Acid, Butyric Acid, Lactic Acid, Propionic Acid			
PENTOBARBITAL	25g	5 - 7 BD	\$325.00
SUGAR PROFILE	50g	5 - 7 BD	\$100.00
Fructose, Glucose, Lactose, Maltose, Sucrose			
THYROXINE (TOTAL T3 + T4)	10g	5 - 7 BD	\$325.00
INDIVIDUAL ANALYSIS			
Acid Detergent Insoluble Protein (Requires ADF)	20g	2 - 3 BD	\$22.00
Ammonia Nitrogen	20g	2 - 3 BD	\$20.00
Ash	10g	2 - 3 BD	\$12.00
Calories (BTU)	25g	2 - 3 BD	\$45.00
Chloride	10g	2 - 3 BD	\$12.00

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	Required Sample Size	Turnaround Time	Price
Color (Hunter)	10g	5 BD	\$16.00
Fat (Crude)	10g	2 - 3 BD	\$19.00
Fat (with Acid Hydrolysis)	10g	2 - 3 BD	\$26.00
Fiber (Acid Detergent)	10g	2 - 3 BD	\$12.00
Fiber (Crude)	10g	2 - 3 BD	\$12.00
Fiber (Neutral Detergent)	10g	2 - 3 BD	\$12.00
Iodine (Total)	25g	5 - 7 BD	\$82.00
KOH Protein Solubility (Soybean meal only)	25g	2 - 3 BD	\$20.00
Lignin (Requires ADF)	25g	2 - 3 BD	\$30.00
Moisture (Convection Oven)	10g	2 - 3 BD	\$12.00
Moisture (Karl Fisher) (Finished Product)	10g	5 - 7 BD	\$50.00
Nitrate	10g	2 - 3 BD	\$16.00
Non-protein Nitrogen	25g	2 - 3 BD	\$22.00
pH	10g	2 - 3 BD	\$10.00
Protein (Crude)	10g	2 - 3 BD	\$15.00
Protein, Pepsin Digestible (Requires Crude Protein)	20g	2 - 3 BD	\$25.00
Prussic Acid	25g	3 - 5 BD	\$50.00
RVA Rapid Visco Analyzer (requires moisture)	25g	4 - 6 BD	\$80.00
Starch	20g	3 BD	\$36.00
Starch, Resistant	20g	5 BD	\$40.00
Urease Activity (Soybean meal only)	25g	4 - 6 BD	\$20.00
Xanthophyll	25g	4 - 6 BD	\$75.00



Animal Feed METALS

CLASS I HEAVY METALS PACKAGE

Arsenic, Cadmium, Lead, Mercury

50g

5 - 7 BD

\$140.00

PET FOOD HEAVY METALS PACKAGE

Antimony, Arsenic, Cadmium, Lead

Antimony, Arsenic, Cadmium, Lead, Mercury

Only Mercury

Selenium (Final Product)

Selenium (Se Premixes Only)

25g

25g

25g

25g

25g

5 - 7 BD

5 - 7 BD

5 - 7 BD

5 - 7 BD

5 - 7 BD

\$80.00

\$105.00

\$45.00

\$40.00

\$50.00

FOR ADDITIONAL METALS TESTINGS, REFER TO "INORGANIC METALS" ON PAGE 65



Animal Feed VITAMINS

	Required Sample Size	Turnaround Time	Price
VITAMIN A PACKAGE	100g	5 - 7 BD	\$150.00

Vitamin A (as Beta Carotene), Vitamin A (as Retinol)

VITAMIN B PACKAGE

Vitamin B2 (Riboflavin)	Vitamin B5 (Pantothenic Acid)	Vitamin B7 (Biotin)	Vitamin B12 (Cyanocobalamin)	
Vitamin B3 (Niacin)	Vitamin B6 (Pyridoxine)	Vitamin B9 (Folic)		
Any one (1)		100g	7 - 10 BD	\$125.00
Any two (2)		250g	7 - 10 BD	\$200.00
Any three (3)		250g	7 - 10 BD	\$300.00
Full Screen		250g	7 - 10 BD	\$700.00

VITAMIN D PACKAGE

250g	5 - 7 BD	\$350.00
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Vitamin D2 (Ergocalciferol), Vitamin D3 (Cholecalciferol)

VITAMIN E PACKAGE

250g	5 - 7 BD	\$225.00
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Total Tocopherol: Alpha, Beta, Delta, Gamma

INDIVIDUAL VITAMINS & SUPPLEMENTS

Vitamin A (as Beta Carotene)	100g	5 - 7 BD	\$100.00
Vitamin A (as Retinol)	100g	5 - 7 BD	\$100.00
Vitamin B1 (Thiamine)	100g	7 - 10 BD	\$110.00
Vitamin B4 (Choline Chloride)	100g	7 - 10 BD	\$125.00
Vitamin C (Ascorbic Acid)	100g	5 - 7 BD	\$100.00
Vitamin C (Stay C)	100g	5 - 7 BD	\$100.00
Vitamin D2 (Ergocalciferol)	250g	5 - 7 BD	\$300.00
Vitamin D3 (Cholecalciferol)	250g	5 - 7 BD	\$300.00
Vitamin E (Alpha)	250g	5 - 7 BD	\$185.00
Vitamin E (Beta)	250g	5 - 7 BD	\$185.00
Vitamin E (Delta)	250g	5 - 7 BD	\$185.00
Vitamin E (Gamma)	250g	5 - 7 BD	\$185.00
Chondroitin (<i>Chondroitin Sulfate A, Chondroitin Sulfate C, Total Chondroitin</i>)	100g	7 - 9 BD	\$300.00
Glucosamine	20g	6 - 8 BD	\$350.00
L.Carnitine	20g	5 - 7 BD	\$225.00



Animal Feed MICROBIOLOGY

	Required Sample Size	Turnaround Time	Price
PET FOOD SCREEN	100g	5 BD	\$75.00
Aerobic Plate Count, E. coli, Salmonella, Total Coliforms, Staphylococcus aureus, Yeast, Mold Count			
PET FOOD SCREEN PLUS LISTERIA	100g	5 BD	\$90.00
Aerobic Plate Count, E. coli, Salmonella, Total Coliforms, Staphylococcus aureus, Yeast, Mold Count, Listeria			
AEROBIC PLATE COUNT	50g	2 D	\$20.00
ANAEROBIC PLATE COUNT	50g	2 D	\$20.00
BACILLUS	50g	3 D	\$30.00
BIFIDOBACTERIUM	50g	3 D	\$30.00
BOTULINUM TOXIN A/B	50g	3 - 7 D	\$100.00
CLOSTRIDIUM	50g	2 D	\$20.00
ENTEROBACTERIACEAE	125g	1 D	\$25.00
GENERIC E.COLI			
3M Petrifilm™	50g	2 D	\$20.00
MPN	50g	2 - 4 D	\$25.00
HEMORRHAGIC E. COLI (O157:H7) (25g)			
BAX® PCR	50g	1 D	\$35.00
Lateral Flow	40g	1 D	\$25.00
LACTIC ACID BACTERIA PACKAGE	50g	4 D	\$40.00
Lactic Acid Bacteria (aerobic), Lactic Acid Bacteria (anaerobic)			
LISTERIA (25g)			
L. mono BAX® PCR	50g	2 D	\$40.00
Lateral Flow	50g	2 D	\$20.00

	Required Sample Size	Turnaround Time	Price
PSEUDOMONAS	25g	4 D	\$20.00
SALMONELLA (25g)			
BAX® PCR	50g	1 D	\$35.00
Lateral Flow	50g	2 D	\$20.00
VIDAS	50g	1 D	\$25.00
Salmonella Confirmation	50g	4 - 6 D	\$200.00
Salmonella Speciation (CheckPoints)	50g	2 - 4 D	\$200.00
STAPHYLOCOCCUS AUREUS			
3M Petrifilm™	50g	1 D	\$20.00
STREPTOCOCCUS	50g	3 D	\$30.00
YEAST & MOLD			
Yeast & Mold Count FDA/BAM	50g	5 D	\$20.00



Animal Feed PESTICIDES

	Required Sample Size	Turnaround Time	Price
GLYPHOSATE	25g	7 - 10 BD	\$275.00
Metabolite & AMPA			
ORGANOCHLORINE PESTICIDES:	50g	7 - 10 BD	\$165.00
Aldrin	delta-BHC	Endosulfan Sulfate	Heptachlor
alpha Chlordane	Dieldrin	Endrin Aldehyde	Heptachlor epoxide
alpha-BHC	Endosulfan I (alpha)	Endrin Ketone	Lindane (gamma-BHC)
beta-BHC	Endosulfan II (beta)	gamma Chlordane	Methoxychlor
			pp-DDD
			pp-DDE Endrin
			pp-DDT
ORGANOPHOSPHORUS PESTICIDES:	50g	7 - 10 BD	\$165.00
Azinphos-methyl	Dichlorophos	Fention	Parathion ethyl
Chlorpyrifos	Dimethoate	Malathion	Phorate
Coumaphos	Disulfoton	Merphos	Ronnel
Dementon-O	EPN	Methyl parathion	Sulfotep
Dementon-S	Ethoprop	Mevinphos	Sulprofos (Bolstar)
Diazinon	Fensulfothion	Naled	TEPP
			Tetrachlorvinphos
			Tokuthion
			Tribufos
			Trichloronate
NEUTRAL EXTRACTABLE PESTICIDES:	50g	7 - 10 BD	\$165.00
Acetochlor	Butylate	Ethalfuralin	Pendimethalin
Alachlor	Chlorpyrifos	Fonofos	Phorate
Ametryn	Cyanazine	Hexazinone	Prometon
Atrazine	Deisopropylatrazine	Isophenphos	Prometryn
Benfluralin	Desethyl atrazine	Metolachlor	Propachlor
Bromacil	Dimethenamid	Metribuzin	Propazine
Butachlor	EPTC (Eptam)	Oxadiazon	Simazine
ORGANOCHLORINE/ ORGANOPHOSPHORUS/NEUTRAL EXTRACTABLE PESTICIDE PACKAGE	50g	7 - 10 BD	\$300.00

**COMPLETE GC/MS/MS
PESTICIDE SCREEN**

Required
Sample Size

50g

Turnaround
Time

7 - 10 BD

Price

\$340.00

(E)-Chlorfenvinphos	cis-Chlordane	Etridiazole	Mevinphos-1	Propargite-2
(Z)-Chlorfenvinphos	cis-Nonachlor	Fenamiphos	Mevinphos-2	Propazine
1,1-Dichloro-2,2-bis(4-ethylphenyl) ethane	Clomazone	Fenarimol	MGK-264	Propisochlor
2-Phenylphenol	Coumaphos	Fenchlorphos	Mirex	Propyzamide
2,4'-Methoxychlor	Cyanazine	Fenitrothion	Monocrotophos	Prothiofos
4,4'-Methoxychlor olefin	Cycoate	Fenpropathrin	Myclobutanil	Pyraclofos
Acephate	Cyfluthrin-1	Fenson	N-2,4-Dimethylphenyl formamide	Pyrazophos
Acequinocyl	Cyfluthrin-2	Fensulfothion	Naled	Pyridaben
Acetochlor	Cyfluthrin-3	Fenthion	Nitralin	Pyridaphenthion
Acrinathrin-2	Cyfluthrin-4	Fenvalerate-1	Nitrofen	Pyrimethan I
Alachlor	Cyhalothrin-1	Fenvalerate-2 (Esfenvalerate)	Norfurazon	Pyriproxyfen
Aldrin	Cyhalothrin-2	Fipronil	o,p'-DDD	Quinalphos
Allethrin-3,4 (Bioallethrin)	Cypermethrin-1	Fluazifop-P-butyl	o,p'-DDE	Quintozene
Allidochlor	Cypermethrin-2	Fluchloralin	o,p'-DDT	Resmethrin-1
alpha-BHC,	Cypermethrin-3	Flucythrinate-1	Omethoate	Resmethrin-2 (Bioresmethin)
alpha-Endosulfan	Cypermethrin-4	Flucythrinate-2	Oxadiazon	Simazine
Ametryn	Cyprodinil	Fludioxonil	Oxyfluorfen	Sulfotepp
Anthraquinone	Deisopropylatrazine	Fluquinconazole	p,p'-DDD	Sulprofos
Atrazine	delta-BHC	Fluridone	p,p'-DDE	tau-Fluvalinate-1
Azinphos-ethyl	Deltamethrin-1	Flusilazole	p,p' DDT	tau-Fluvalinate-2
Azinphos-methyl	Deltamethrin-2	Flutolan I	Pacloubtrazol	Tebuconazole,
Benfuralin	Demeton-O	Flutriafol	Parathion	Tebufenpyrad
beta-BHC	Demeton-S	Fluvalinate-1	Parathion-methyl	Tecnazene
beta-Endosulfan	Desethylatrazine	Fluvalinate-2	Pebulate	Tefuthrin
Bifenthrin	Di-allate-1	Folpet	Penconazole	TEPP
Biphenyl	Di-allate-2	Fonofos	Pendimethalin	Terbacil
Bromacil	Diazinon	gamma-BHC (Lindane)	Pentachloroaniline	Terbufos
Bromfenvinphos	Dichlobenil	Heptachlor	Pentachloroanisole	Terbutylazine
Bromfenvinphos-methyl	Dichlofluanid	Heptachlor-endo-epoxide	Pentachlorobenzene	Tetrachloroaniline,2,3,5,6-
Bromophos	Dichlofluanid metabolite	Heptachlor-exo-epoxide	Pentachlorobenzonitrile	Tetrachlorvinphos
Bromophos-ethyl	Dichloroaniline,3,4'	Hexachlorobenzene	Pentachlorothioanisole	Tetradifon
Bromopropylate	Dichlorvos	Hexazinone	Permethrin-1	Tetrahydrophthalimide
Bupirimate	Dicolfol deg. (DCBP)	Imazalil	Permethrin-2	Tetramethrin-1
Butachlor	Didoran	Iodofenphos	Phenothrin-1	Tetramethrin-2
Butylate	Dieldrin	Iprodione	Phenotrin-2	Thiabendazole
Captafol	Dimethachlor	Isazofos	Phorate	Tolclofos-methyl
Captan	Dimethanamid	Isodrin	Phosalone	Tolyfluanid
Carbaryl	Dimethoate	Isofenphos	Phosmet	trans-Chlordane
Carbophenothion	Diphenamid	Isopropalin	Piperonyl butoxide	trans-Nonachlor
Carfentrazone-ethyl	Diphenylamine	lambda-Cyhalothrin	Pirimiphos-ethyl	Transfluthrin
Chlorbenside	Disulfoton	Lenacil	Pretlachelor	Trbufos
Chlorfenapyr	Edifenphos	Leptophos	Primiphos-methyl	Tri-allate
Chlorfenson	Endosulfan ether	Linuron	Prochloraz	Triadimenol-1
Chloroneb	Endosulfan sulfate	Malathion	Procyimidone	Triadimefon
Chloropropylate	Endrin	Metalaxyl	Prodiamine	Triadimenol-2
Chloroethanolil	Endrin keytone	Metazachlor	Profenofos	Triazophos
Chlorpropham	EPN	Methacrifos	Profthuralin	Trichloronat
Chlorpyrifos	EPTC	Methamidophos	Prometon	Tricydazole
Chlorpyrifos-methyl	Ethalfuralin	Methiocarb	Prometryn	Triflumizole
Chlorthal-dimethyl	Ethion	Methoxychlor	Propachlor	Trifluralin
Chlorthiophos-3	Ethoprophos	Metolachlor	Propanil	Vinclozolin
Chlozolinate	Etofenprox	Metribuzin	Propargite-1	

		Required Sample Size	Turnaround Time	Price
COMPLETE LC/MS/MS PESTICIDE SCREEN		50g	7 – 10 BD	\$325.00
3-Hydroxycarbofurn	Cyproconazole Isomer 1	Flufenacet	Methomyl	Pyriproxyfen
Acephate	Cyproconazole Isomer 2	Flufenoxuron-H	Methoprytrine	Quinoxifen
Acetamiprid	Cyprodinil Cyromazine	Flumeturon	Methoxyfenozide	Rotenone
Acibenzolar-S-methyl Test	Desmedipham	Fluoxastrobin	Metobromuron	Secbumeton
Alanycarb	Diclobutrazol	Fluquinconazole	Metobromuron-S	Siduron
Aldicarb	Dicrotophos	Flusilazole	Metribuzin	Simetryn
Aldicarb Sulfone	Diethofencarb	Flutolanil	Mevinphos Isomer 2	Spinetoram
Aldicarb Sulfoxide	Difenoconazole	Flutriafol	Mevinphos Isomer 1	Spinosad A
Ametryn	Diflubenzuron	Forchlorfenuron	Mexacarbate	Spinosad D
Aminocarb E	Dimethoate	Forchlorfenuron-S	Monceren	Spirodiclofen
Amitraz	Dimethomorph Isomer 1	Formetanate	Monocrotophos	Spiromesifen
Azoxystrobin	Dimethomorph Isomer 2	Fuberidazole	Monolinuron	Spirotetramat
Baycor	Dimoxystrobin	Furalaxyl	Moxidectin	Spiroxamine 1
Benalaxyl	Diniconazole	Furathiocarb	Myclobutanil	Spiroxamine 2
Bendiocarb	Dioxacarb	Halofenozide	Neburon	Sulfentrazone
Benfuracarb	Diuron	Hexaconazole	Nitenpyram	Tebuconazole
Benzoximate	Doramectin	Hexaflumuron-H	Novaluron-H	Tebufenozide
Bifenazate	Emamectin-benzoate A	Hexythiazox	Nuarimol	Tebufenpyrad
Boscalid	Emamectin-benzoate B	Imadacloprid	Omethoate	Tebuuthiuron
Bromuconazole Isomer 1	Epoxiconazole	Imazalil	Oxadixyl	Teflubenzuron-H
Bromuconazole Isomer 2	Eprinomectin	Indoxacarb	Oxamyl	Terbumeton
Bupirimate	Ethiofencarb	Ipronazole	Paclbutrazol	Terbutryn
Buprofezin	Ethiprol	Iprovalicarb Isomer 1	Penconazole	Tetraconazole
Butafenacil	Ethirimol	Iprovalicarb Isomer 2	Phenmedipham	Thiabendazole
Butocarboxim	Ethofumesate	Isocarbofos	Picoxystrobin	Thiacloprid
Butoxycarboxim	Etoxazole	Isoprocarb	Piperonyl butoxide	Thiamethoxam
Carbaryl	Famoxadone	Isoproturon	Primicarb	Thidazuron
Carbenadazim	Fenamidon	Ivermectin	Prochloraz	Thiobencarb
Carbetamide	Fenarimol	Kresoxim-methyl	Promecarb	Thiofanox
Carbofuran	Fenazaquin	Linuron	Prometon	Thiophanate-methyl
Carboxin	Fenbuconazole	Lufenuron-H	Prometryne	Triadimefon
Carfentrazone-ethyl	Fenhexamid	Mandipropamid	Propargite	Triadimenol
Chloantraniliprole	Fenobucarb	Mefenacet	Propham-S	Trichlorfon
Chloroxuron	Fenoxycarb	Mepanipyrim	Propiconazole	Tricyclazole
Chlortoluron	Fenpropimorph	Mepronil	Propoxur	Trifloxystrobin
Clethodim	Fenproximate	Metaflumizone	Prothioconazole Test	Triflumizole
Clofentezine	Fenuron	Metalaxyl	Pymetrozine	Triflumuron
Clothianidin	Flonicamid	Metconazole	Pyracarbolid	Triticonazole
Cyazofamid	Fluazinam	Methabenzthiazuron	Pyraclastrobin	Vamidothion
Cycluron	Flubendiamide	Methamidophos	Pyridaben	Zoxamide
Cymoxanil	Fludioxonil	Methiocarb	Pyrimethanil	

COMBINED LC/MS/ & GC/MS PESTICIDE SCREEN		50g	7 – 10 BD	\$500.00
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If a quicker turnaround time is needed, please contact our Rush Coordinator for an estimated cost at RUSH_COORDINATOR@MIDWESTLABS.COM



Considerations for **TAKING & SUBMITTING FEED SAMPLES**

- 1** | Sample size required depends on the number and kinds of analyses needed. **ONE-HALF POUND IS A PRACTICAL MINIMUM SIZE** and additional samples may be required when vitamin or medication analyses are requested. When in doubt, check with the laboratory before sampling.
- 2** | **FORAGES SHOULD BE SAMPLED WITH A CORE SAMPLER.** If this is not done, the sample will not accurately reflect the true quality of the forage.
- 3** | Samples can be sent in a variety of containers, but **WE RECOMMEND A STURDY PLASTIC BAG WITH ZIP CLOSURE.** After placing sample in the bag, press out as much air as possible before closing.
- 4** | **LABEL EACH SAMPLE CONTAINER CLEARLY.** Place sample(s) in a mailing box or envelope with instructions for analysis, preferably using a Midwest Laboratories submittal form (available at www.midwestlabs.com). Bags, envelopes, boxes, mailing labels and submittal forms are available from the laboratory.



NOTES





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