Specification Sheet

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Feast® Side-Kick®

Potassium Thiosulfate Solution 0-0-25 with 17% Sulfur

PRODUCT PURPOSE

Feast Side-Kick is a 0-0-25 w/17%S neutral to basic, chloride-free, clear liquid fertilizer solution containing 25% potash (K_2O) and 17% sulfur (S). Following specific use recommendations, it may be soil applied, foliar applied, or applied as fertigation via drip, sprinkler, or flood irrigation. Each gallon of Feast Side-Kick contains 3 pounds of potash (K_2O) and 2.1 pounds of sulfur (S). Feast Side-Kick may be successfully blended with certain other fertilizers according to specific recommendations.

PERFORMANCE CHARACTERISTICS

- Ideally suited for soil and foliar applications, either in band or as broadcast
- Highest analysis K plus S liquid fertilizer available
- Excellent way to fortify liquid starter and sidedress mixes
- Requires no mixing because it is already in solution
- Remains in solution, even at low temperatures

PRODUCT CHARACTERISTICS

- High-quality, readily available nutrients
- Easy to store, handle, and use
- Chloride free, excellent for use with chloride-sensitive crops
- Excellent compatibility with most other liquid fertilizers
- Clear liquid solution that is 100% water soluble

DIRECTIONS FOR USE

Feast Side-Kick 0-0-25 w/17%S is compatible with other Feast liquid fertilizer formulations and with conventional urea and ammonium polyphosphate solutions in any ratio. When blended with UAN solution (28 to 32%), however, a standard “jar test” is recommended before mixing large quantities. Potassium can react with nitrate nitrogen to form KNO_3 crystals. Should this occur, the addition of water and/or heat should bring it back to a clear solution. When blending with micro/secondary nutrients and pesticides, trial blends should be conducted before moving on to large scale mixing. Specific recommendations must be followed depending on the crop and the intended method of application (soil or foliar). Refer to the General Application and Use Recommendations section for details.

SPECIFICATIONS

0-0-25 w/17%S

Part number	
38695	Single 2½ gallon
38690	5 gallon/twin pack
38711	55 gallon drum
38729	220-gallon mini-bulk
38750	bulk (Shakopee)
Guaranteed analysis:	
Soluble Potash (K_2O)	25.0%
Sulfur (S)	17.0%
Pounds of Potash (K_2O)/gal.	3.05
Pounds of Sulfur (S)/gal.	2.10
Nutrients from potassium thiosulfate	
Weight/U.S. gallon	12.2 lbs.
Appearance	Clear, colorless
pH (100% solution)	7.0 to 8.2
Specific gravity	1.463
Salting out temperature	<15°F
Volume, gallons/ton	164.0

GENERAL APPLICATION AND USE RECOMMENDATIONS
See ADVISORIES before making any applications. Feast® Side-Kick® 0-0-25 w/17%S can be applied to a wide variety of ornamental, turf, greenhouse, and other agricultural crops. Potassium requirements for most crops increase dramatically during periods of rapid growth and fruit development. Application of Feast Side-Kick should be made based on soil and/or plant tissue analysis for potassium and/or sulfur.

To obtain maximum benefits from this product, soil tests and/or plant tissue tests are recommended. All recommendations contained in this section are general and are intended as a planning guide; actual recommendations may vary. This information does not represent a complete fertility program, but rather application options. Read ADVISORIES section for further information. When used as a foliar fertilizer, Feast Side-Kick should first be diluted with water before acidifying. Blends of Feast Side-Kick and water should not be acidified below a pH of 6.0. When mixing Feast Side-Kick or any liquid fertilizer with pesticides, first consult the pesticide label. Some pesticide labels specifically prohibit application with fertilizers. If pesticide/fertilizer mixtures are suitable, always keep agitators running during filling and spraying operations. Failure to maintain agitation may cause separation of products resulting in uneven spray application. The use of Conklin's Kombind® compatibility agent may be necessary to achieve a uniform tank mix. Unless otherwise noted, all recommendations are on a per planted acre basis.

STORAGE/HANDLING AND DISPOSAL
Feast Side-Kick 0-0-25 w/17%S may be stored in plastic such as polyethylene, mild steel, fiberglass, and stainless steel. Do not store in aluminum. Do not reuse drum and mini-bulk containers. Dispose of containers properly after thoroughly flushing with water. Do not contaminate water, food, or feed by cleaning of equipment, storage or disposal. Keep out of lakes, ponds, or streams.

CAUTION:
MAY CAUSE EYE, SKIN AND DIGESTIVE AND RESPIRATORY SYSTEMS IRRITATION. Keep out of the reach of children. Avoid contact with eyes and prolonged contact with skin. In case of contact with eyes, flush with water for at least 15 minutes. Wash skin thoroughly with soap and water. If irritation persists, seek medical attention. If swallowed, dilute with one to two glasses of water, if victim is conscious, and get medical attention immediately.

LIMITED GUARANTEE
Conklin Company Inc. guarantees that this product conforms to the chemical description on the label and is designed and suitable for the specific applications stated on the label. Since many factors affect crop production, Conklin Company Inc. will not be liable for incidental or consequential damages, including loss or partial loss of a crop, from any cause whatsoever. This guarantee is in lieu of the implied warranty of merchantability and all other warranties expressed or implied.

FEAST® SIDE-KICK® 0-0-25 WITH 17% SULFUR APPLICATION GUIDELINES

Crop	Rate Per Acre	Product	Time and Method of Application
Alfalfa	1 to 2 quarts (aerial) OR 1 to 2 quarts (ground)	0-0-25 w/17%S	Spring, foliar[1] apply to ground cover at crown green up but before new growth reaches 3 to 4 inches
		0-0-25 w/17%S	After each cutting, foliar[1] apply to good ground cover but before regrowth reaches 3 to 4 inches
		0-0-25 w/17%S	7 to 10 days before harvest, foliar[1] In fall, prior to dormancy; foliar[1]
Corn	2 to 4 quarts	0-0-25 w/17%S	At planting, in-row or splitter[2], based on soil test
	OR		
	1 gallon	0-0-25 w/17%S	At planting, deep-placed,[3] based on soil test
	1 to 2 quarts (aerial) OR 1 to 2 quarts (ground)	0-0-25 w/17%S	Foliar,[1] 8th to 12th leaf, prior to tasseling (V8 to V12) and second application 7 to 10 days later
Cotton	1 gallon	0-0-25 w/17%S	At planting, 1 inch under seed or 2 inches by 2 inches
	1 to 2 quarts (ground)	0-0-25 w/17%S	Foliar,[1] beginning the second week of bloom, apply every 7 to 10 days for 3 to 4 applications
Peas and Lentils	1 to 2 quarts (aerial) OR 1 to 2 quarts (ground)	0-0-25 w/17%S	Foliar,[1] apply during late bud to 10% bloom
Potatoes	1 to 2 quarts (aerial) OR	0-0-25 w/17%S	Foliar,[1] begin at tuber initiation, apply second application
	1 to 2 quarts (ground)		2 to 3 weeks later and third application at tuber bulking
Small Grains	2 to 4 quarts	0-0-25 w/17%S	At planting, in-row or splitter[2], based on soil test
	1 to 2 quarts (aerial) OR 1 to 2 quarts (ground)	0-0-25 w/17%S	Foliar,[1] apply at tillering to early boot stage
Soybeans	2 quarts OR	0-0-25 w/17%S	At planting, splitter[2], based on soil test
	1 gallon	0-0-25 w/17%S	At planting, deep-placed[3]
	1 to 2 quarts (aerial) OR 1 to 2 quarts (ground)	0-0-25 w/17%S	Foliar,[1] apply at beginning bloom (R1 growth stage)
Tomatoes	1 gallon	0-0-25 w/17%S	At planting, deep-placed[3]
	1 to 2 quarts (aerial) OR 1 to 2 quarts (ground)	0-0-25 w/17%S	Foliar,[1] begin at fruit set, apply every 7 to 14 days
Turf/Lawns	8 to 16 ounces/ 1,000 square feet	0-0-25 w/17%S	Apply 3 to 5 applications per year; early spring, early summer, early fall. Specific needs and management practices as well as the type of grass can greatly affect the exact fertility recommendations in your area. Dilute with at least 3 parts water to 1 part fertilizer. Water in immediately after application. May apply with Feast liquid lawn fertilizer.
	4 to 12 ounces/ 1,000 square feet	0-0-25 w/17%S	Fertigation, inject during each irrigation every 1 to 3 weeks with Feast liquid lawn fertilizer
Apples, Apricots, Almonds, Citrus, Pecans	2 to 6 quarts	0-0-25 w/17%S	Apply in a minimum of 100 gallons of water spray solution. Begin application at first full leaf and apply as needed during the growing season. For concentrated sprays of less than 100 gallons per acre, reduce the rate to stay within the recommended solution ratio (i.e., 50 gallons of water per acre equals 1 to 3 quart rate).
Vines	1 to 2 quarts	0-0-25 w/17%S	Begin 2 weeks after bloom, apply in at least 30 gallons of water. Repeat treatment in 7 to 10 days.

FEAST® SIDE-KICK® 0-0-25 WITH 17% SULFUR APPLICATION GUIDELINES

Crop	Rate Per Acre	Product	Time and Method of Application
Fertigation: Flood and Furrow Irrigation			
Trees & Vines	10 to 15 gallons	0-0-25 w/17%S	Apply beginning at full leaf, schedule as needed.
Vegetable & Row Crops	10 to 15 gallons	0-0-25 w/17%S	Apply rate each application, make second application based on crop requirement.
Sprinkler Irrigation[5]			
Trees	5 to 15 gallons (under) OR 3 to 5 gallons (overhead)	0-0-25 w/17%S	Apply rate each application every 10 to 14 days based on crop requirements.
Vines	3 to 5 gallons	0-0-25 w/17%S	Apply rate each application every 10 to 14 days based on crop requirements.
Vegetable & Row Crops	3 to 10 gallons	0-0-25 w/17%S	Beginning at the 3rd to 4th leaf stage, apply rate every 10 to 14 days based on crop requirements. After injection, allow enough irrigation time to rinse the plants of any residual fertilizer.
Center Pivot			
Vegetable & Row Crops	3 to 5 gallons	0-0-25 w/17%S	Apply as needed based on crop requirements.
Drip Irrigation			
Young Trees & Vines	3 to 10 gallons	0-0-25 w/17%S	Apply during the growing season when roots are actively growing.
Mature Trees & Vines	5 to 15 gallons	00-0-25 w/17%S	Apply rate each application 1 to 2 times during the growing season when roots are actively growing.
Vegetable & Row Crops	3 to 5 gallons	0-0-25 w/17%S	Apply rate each application 2 to 4 times during the growing season.

ADVISORIES

[1] Foliar feed guidelines and rates are not listed for crops where tissue testing or accurate field diagnosis of need is required before applications are made. Foliar applications of fertilizers and micro/secondary nutrients are most feasible under the following conditions:

a. when plant tissue tests show nutrient deficiencies
b. when soil moisture is adequate for plant needs
c. when fruiting or grain production rates are good
d. when insect, weed, and disease control are good
e. when climactic conditions are favorable for fruit or grain development

Do NOT apply Feast Side-Kick to foliage of crops sensitive (foliar burn) to sulfur. Do NOT apply to foliage of any crop when ambient air temperatures are above 86°F. Apply Feast Side-Kick as a foliar treatment in the early morning or late evening. Be sure to check other manufacturers' labels concerning dormant oil treatment spray guidelines and foliar nutrient applications containing sulfur.

[2] Under the following conditions the use of seed placement fertilizers (pop-up) may result in delayed crop emergence and/or phytotoxicity: low soil moisture, high soil nitrate levels, low soil organic matter content, low cation exchange capacity (CEC), extremely light sandy soils, soils high in sodium or soluble salts (soil salinity above an electrical conductivity of 2), and delayed irrigation. Your own farm environmental conditions and experience are most important when deciding to use a seed-contact starter fertilizer. See organic matter and CEC guidelines.

[3] Deep-placement is the term used for placement 2 inches below and 2 inches to the side of the seed.

[4] Do NOT apply Feast Side-Kick with knife injectors or other types of fertilizer injecting equipment that may cause root pruning.

[5] Sprinkler application of Feast Side-Kick and other liquid fertilizers over an established crop can cause foliar injury to a crop if:

a. the injection period is short enough to cause an excessive amount of fertilizer to accumulate on the leaves
b. ambient air temperature is above 86°F and relative humidity is less than 30%
c. fertilizer rates are higher than recommended
d. the irrigation pump malfunctions during or immediately after injecting fertilizer
e. any combination of these conditions

Crop injury may result from unusual weather conditions, failure to follow label directions, or improper application practices, all of which are out of the control of the manufacturer or seller. The directions in this guide are believed to be reliable and should be followed carefully.