



## Use Rates & Mixing Instructions

For Launcher PRO utilizing the 1,000 unit  
Launcher drum (item 540-PAK1K)



Pounds of Seed to treat	Units of seed to treat	Fluid ounces required of:				
		PBX (fl. oz.)	Bladders	Launcher	ProSurge	Packages
2,500	50	20	0.5	85	5	0.5
5,000	100	40	1.0	170	10	1.0
7,500	150	60	1.5	255	15	1.5
10,000	200	80	2.0	340	20	2.0
12,500	250	100	2.5	425	25	2.5
15,000	300	120	3.0	510	30	3.0
17,500	350	140	3.5	595	35	3.5
20,000	400	160	4.0	680	40	4.0
22,500	450	180	4.5	765	45	4.5
25,000	500	200	5.0	850	50	5.0

### Use Rates:

Launcher = 1.70 fl. oz. per 50 pounds of seed

PBX = 0.40 fl. oz. per 50 pounds of seed

ProSurge = 0.10 fl. oz. per 50 lbs of seed

Follow individual product labels for complete use directions.

### Steps

#### General mixing guidelines:

- Determine the units of seed to be treated.
- Refer to the chart above to determine total volume required of each component.
- In an empty slurry tank, or separate mixing vessel, place the required volume of PBX.  
(To use less than full bladders, 40 fl. oz., measure the appropriate volume in a separate container).
- Using a graduated measuring vessel, dispense the required fl. oz. of Launcher from the 1,000 unit drum. Add to PBX in the slurry tank.
- Add ProSurge Part A to ProSurge Part B and shake aggressively. Add to slurry tank.  
(one combined package of ProSurge Part A and Part B treats 100 units of seed)  
Repeat step 5 to obtain the required volume of ProSurge solution for the amount of seed to be treated. (To treat in less than 100 unit increments, mix an entire container of ProSurge and then add to the slurry tank the required fluid ounces)
- Calibrate treating equipment to apply 2.2 fl. oz. of the solution to 50 lbs of seed.

### Steps

#### Example #1

- The desired volume is 300, 50 lb units of seed, 15,000 total pounds.
- Required volume:
 

PBX	120 fl. oz	(Three 40 ounce bladders)
Launcher	510 fl. oz.	
ProSurge	30 fl. oz.	(3 combinations of Part A and Part B)
- Add components to the slurry tank in the order listed in step above.

#### Example #2

- The desired volume is 50, 50 lb units of seed, 2,500 total pounds.
- Required volume:
 

PBX	40 fl. oz	(one 40 ounce bladder)
Launcher	85 fl. oz.	
ProSurge	5 fl. oz.	(1/2 of one combination of Part A and Part B)
- Add components to the slurry tank in the order listed in step above.