

## TERRASYM 401 FOR SOYBEANS

Terrasym 401 has an application rate of 1 oz. (28g) per 100 lbs. of soybean seed, a label rate of 0.5 oz. (14g) per unit of soybean seed, and a mixing ratio of 1:3 (for every ounce of dry powder used, you will need three ounces of water).

If treating less than 400 units of soybean seed, utilize the quick conversion table on the next page or head to [terrasym.com](http://terrasym.com) for our online seed treatment calculator and resources.

The 401 product contains living microbes called M-trophs and should be treated as "live." Do not combine this product in a tank containing fungicides and/or insecticides, and reach out to your local Terrasym rep for any compatibility questions or concerns.



### THE POWER OF PINK



**Broad Compatibility**



**Strengthens Crops**



**Improves Yield**



**Field Tested for 4+ Years**



**Enhances Nutrient Uptake**

## TREATMENT INSTRUCTIONS

1. Identify whether you will treat simultaneously or sequentially.

**Simultaneously** – Prepare auxiliary tank or inoculant drum for use to apply alongside standard fungicide and insecticide. This is the most common application method.

**Sequentially** – Prepare main drum for Terrasym 401 only treatment, after original fungicide and/or insecticide application.

2. Prepare to create pre-slurry. Remember to add water to your container before the powder for easier mixing.

Terrasym 401 has a **mixing ratio of 1:3** (dry powder:water).

3. Fill a clean mixing container with the desired amount of water. NewLeaf Symbiotics recommends using a 5-gallon bucket.

To slurry slurry 200 units of soybean seed, you will need **2.30 gallons (294 fl. oz. or 8.7 L) of water**.

4. Measure out the desired quantity of Terrasym 401 using an electric scale.

The 401 powder has a label rate of **0.5 oz. (14g) per unit of soybean seed**.

For a 200-unit batch of soybean seed, this equates to **6.4 lbs (103 oz.) of powder**.

5. Pour measured powder into the water-filled jug, ensuring enough space remains to agitate.

6. Utilize the mixing attachment included in your packaging to mix the powder into suspension.

7. Once the product is fully mixed, add slurry to tank, calibrate the treater, and begin treating seed.



## TERRASYM 401 FOR SOYBEANS CONVERSION TABLE

To treat this many units of seed...	Add this much powder .....						Into this much water ...						to yield this much volume of slurry...						which is also this much weight of slurry.					
	Terrasym 401 powder						Water						Slurry Volume						Slurry Weight					
	g	kg	oz.	lb.	ml	L	ml	L	fl.oz.	gallons	ml	L	fl.oz.	gallons	g	kg	oz.	lb.						
10	145	0.15	5.1	0.32	435	0.4	15	0.11	0.2	588	0.6	20	0.2	553	0.6	19	1.2							
20	290	0.29	10.2	0.64	870	0.9	29	0.23	0.3	1175	1.2	40	0.3	1105	1.1	39	2.4							
30	435	0.44	15.3	0.95	1305	1.3	44	0.34	0.5	1763	1.8	60	0.5	1658	1.7	58	3.7							
40	580	0.58	20.5	1.27	1740	1.7	59	0.46	0.6	2350	2.4	80	0.6	2210	2.2	78	4.9							
48	696	0.70	24.5	1.5	2088	2.1	71	0.55	0.7	2820	2.8	99	0.7	2652	2.65	94	5.84							
50	725	0.73	25.5	1.59	2175	2.2	74	0.57	0.8	2938	2.9	99	0.8	2763	2.8	97	6.1							
80	1160	1.16	40.9	2.54	3480	3.5	118	0.92	1.2	4700	4.7	159	1.2	4420	4.4	156	9.7							
120	1740	1.74	61.4	3.81	5220	5.2	177	1.38	1.9	7050	7.1	239	1.9	6630	6.6	234	14.6							
160	2320	2.32	81.8	5.08	6960	7.0	235	1.84	2.5	9400	9.4	318	2.5	8840	8.8	312	19.5							
200	2900	2.90	102.3	6.35	8700	8.7	294	2.30	3.1	11750	11.8	398	3.1	11050	11.1	390	24.4							
240	3480	3.48	122.7	7.62	10440	10.4	353	2.76	3.7	14100	14.1	477	3.7	13260	13.3	468	29.2							
280	4060	4.06	143.2	8.89	12180	12.2	412	3.22	4.3	16450	16.5	557	4.3	15470	15.5	546	34.1							
320	4640	4.64	163.6	10.16	13920	13.9	471	3.68	5.0	18800	18.8	636	5.0	17680	17.7	624	39.0							
360	5220	5.22	184.1	11.43	15660	15.7	530	4.14	5.6	21150	21.2	716	5.6	19890	19.9	702	43.8							
400	5800	5.80	204.5	12.70	17400	17.4	588	4.60	6.2	23500	23.5	795	6.2	22100	22.1	780	48.7							

*\*Calculations based on soybeans sold as 140,000 seed count units at 2,800 seeds per pound.*

This table has been developed to help determine use rates for Terrasym 401 products for soybean. It does not replace the approved label for this product.

*For additional treatment tools and resources, visit [terrasym.com](http://terrasym.com)*