132x190mm

10、Packing list

Spare parts				Documents			
1	Single shower	1	Spare parts bag	8	Certificate of conformity	1	Spare parts bag
2	Adjustable shower	1	Spare parts bag	9	Instruction manual	1	Spare parts bag
3	Rubber cap	1	Spare parts bag	10	Warranty	1	Spare parts bag
4	Filter at the switch	1	Spare parts bag				
5	Transforming connector	3	Spare parts bag				
6	Double showers	1	Spare parts bag				
7	Gasket	3	Spare parts bag				

6 . Protection and maintenance

1). After using every day, you should pour out the retained reagent, wash the reagent tank with cleaning water and then pour into the cleaning water, move the rocker, switch on and spray several minutes so as to clean the inner of the sprayer, You should wash the sprayer that has sprayed herbicide with the saleratus of detergent carefully.

2). After using season or putting for a long time, you should do the following items beside the last specification.

a) You can take off the spray parts and switch to make the water of rubber pipe and spray rod flow off, Then you hang them in the cool and dry place conversely.

b) You should clarifythe dirty outsidethe reagent box and make the inner water dry. You open the box cover and hang it conversely in a cool and wind place of the room.

c) All the parts, accessory and tools should be put on the same place in case to be lost.

7. Safety with using reagent

a). As long as you purchase and usereagent, you must read the sign carefully.The reagent has all the registration certificate, product license, and quality sign and is used in the quality assurance period.

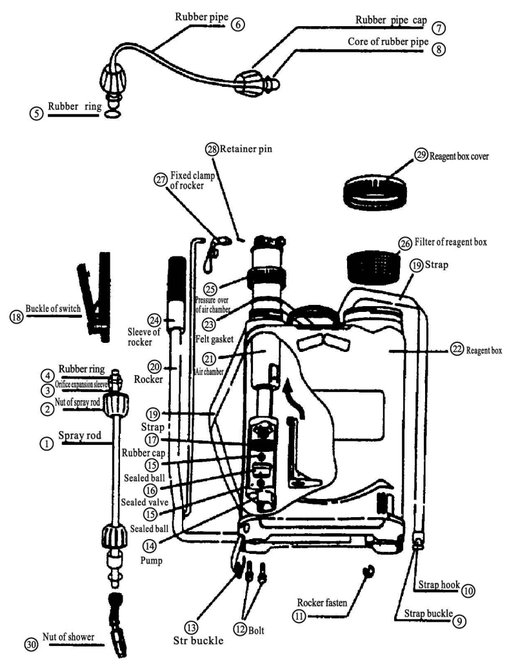
b). You should put on your respirator and add the reagent downwind. After adding, you should wash your hands and store the reagent well.

c).You should choose the right reagent in the right using period. You have to use the quantum measuement and economic efficient reagent. You should not increase reagent and change the measurement casually. Your also pay attention to choose different kind reagent and exchange use.

Instruction Manual for 16/20 Liter sprayer



Structural diagram of new 16/20 Liter sparyer complete airtight plastic sprayer



1、Use and application.

The knapsack 16/20 Liter sparyer manual sprayer is a new generation product that is developed by our company.The product, which is complete sealed plastic, has cost saving, safety, high efficiency and leakage prevention. It is designed by concentrating on the advantages ofall the smae imported types. It canbe widely used for the prevention of the diseases, pests and weed for grain,cotton, vegetable, fruit plant, etc. It can also be used for the sanityary pest killing and disinfection of envioronment in poultry, house and public places.

2、Structural characteristies

(1)	Spray rod	(2)	Nut of spray rod	(3)	Orifice expansion sleeve
(4)	Rubber ring	(5)	Rubber ring	(6)	Rubber pipe
(7)	Rubber pipe cap	(8)	Core of rubber pipe	(9)	Strap buckle
(10)	Strap hook	(11)	Rocker fasten	(12)	Bolt
(13)	Str buckle	(14)	Pump	(15)	Sealed ball
(16)	Sealed valve	(17)	Rubber cap	(18)	Buckle of switch
(19)	Strap	(20)	Rocker	(21)	Air chamber
(22)	Reagent box	(23)	Felt gasket	(24)	Sleeve of rocker
(25)	Pressure over of air chamber	(26)	Filter of reagent box	(27)	Fixed clamp of rocker
(28)	Retainer pin	(29)	Reagent box cover	(30)	Nut of shower

3、Structural characteristics

The sprayer is made of complete imported material.The structure of air chamber is particular and the design is novel. It has the small force, rapid pressure improvement and high efficiency character. The convenient structure of the reagent box, the scientific mode and the arc design conform the physiological character of hhuman so that you can't feel too heavy in a long time. There is the space between the reagent box and the back of the operator because of the particular "T" design in order that the sweat of the worker is evaporated. The reagent box has a safety valve so as to make sure that the air can enter into it and can avoid flowing away reagent. The ring felt gasket in the upper of the air chamber can make the pump moved easily and stably and can also make the reagent tank unleaked.At same time there are the order of the water level and the operating diagram on the tank so that the operator uses it.The rocker is made of good steel. There is a fixed clamp on therocker and the spray rod can be straight on it in order to store thesprayer and take it on foot or by bike.

4、Manin technical parameter

Capacity of the reagent box: 16L/20L

Working pressure: 0.2-0.4Mpa

Rocking times every minute: 6 -8 times

5、**Working** precautions

1). At first, you should check whether every is complete before using and whether the gaskets of all connections are perfect. And the get ready for the following:

a) You add the moderate cleaning water to the reagent box, move the rocker, try spraying, check whether all the connections leak, whether the switch is reliable and flexible and whether the spray is continuous and equal.

b) After adding the reagent, you should screw the cover of the reagent box tightly before using so as to prevent the reagent from shaking out.

2). In the use, you should pay att ention for the following:

a) The reagent should be confected in another tank and pay attention to make the reagent punrified. When you add the reagent to the box, you cant't take out the filter in the box and switch off in case that the reagent leaks

b) The reagent is not full enough in case to leak.

c) You should adjust the length of the strap according to your figure in order to be comfortable for you.

d)You press the rocker for 6 8 times to suck reagent and improve pressure, switch on and adjust the adjustable shower cap to begin to spray normally.

e)According to the spray requirement, you can change the taper adjustable shower or fan shape shower to spray.

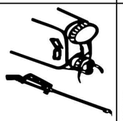
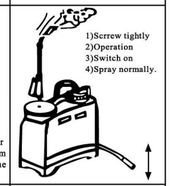
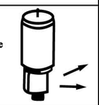
f) You can spray downwind and should put on your mask and gloves, etc. guards. You should not smoke and drink in case to be poisonous.

g)After finishing the work, you should clean the body that is touched the reagent and then clean it by soap.

h)The uncured wounded, suckling or pregnant women, the elder and the children should not take part in spray.

d). Forbid using the high poison and the high-remained reagent to avoid the disease, pests and weed for vegetable, melon, fruit, tea and Chinese traditional medicinal crops. You should strictly control the safe harvest time after using reagent.

8、Malfunction and treatment

Problem	Reason	Solution
 1)There are leakage and bad spray effect. 2)It is hard to shake the rocker.	 1) Your should check whetherthe gaskets of all theconnections are worn and and screwed tightly or change them. 2)When then ifilterand the shower are stopped, you shouldwash them in time andadd the lubricantin the sport place.	 1)Screrew tightly 2)Operation 3)Switch on 4)Spray normally.
 The pressure goes down	1)Rober cap is worn. 2)The foreign material is at the suface of the glass ball. 	1)Change the rubber cap and increase lubericant. 2)Wash the foreign material. 
There is no pressure to shake the rocker.	1)Sealed ball is lost.  2)Sealed ball is shifted.	Install sealed ball 

Note: When you change the rubber cap of the bottom of the air chamber, you can take apart the air chamber and put the "+" tool under the mixer into trough of the tightened cap to take down it.

9、Quality assruance

We promise to repair the product for a yeatr. In the preriod, ifthere are quality problems, such as manufacture, material and so on, we will repair and change if freely. But if there are the problems for you to use unreasonably, we won't be in charge.