



NANO PACK



Nano plastic

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One of the main problems in fruit and vegetable packaging is maintaining shelf life. If shelf life can be increased, a healthier product can be exported to other countries, which will boost the industry.

By producing smart nano plastics, Nano Pack Company has been able to not only prolong the shelf life of the product, but also prevent weight loss, which reduces the loss of weight for the seller.

For example:

Due to its texture, kiwi fruit has been observed to become soft after a while when stored in a cold storage, which causes poor product quality. However, by using nano plastics during storage and when exporting the product, you will no longer have to worry about this issue and you can safely export your product with the best quality.



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Vegetables and greens

Type of vegetables	Shelf life (days) 1°C	Code	Shelf life (days) 10°C	Code	Shelf life (days) 18°C	Code
Broccoli	26-30	A01VL001	14-16	A10VL001	6-8	A18VL001
Brussels sprouts*	20-22	A01VL002	14-16	A10VL002	8-10	A18VL002
celery	20-22	A01VL003	14-16	A10VL003	8-10	A18VL003
Lettuce	20-26	A01VL004	14-16	A10VL004	10-14	A18VL004
eggplant	-	A01VL005	18-22	A10VL005	10-12	A18VL005
potato	24-30	A01VL006	18-22	A10VL006	10-12	A18VL006
onion	18-22	A01VL007	14-16	A10VL007	12-14	A18VL007
carrot	16-20	A01VL008	14-16	A10VL008	10-12	A18VL008
Pumpkin*	22-26	A01VL009	16-18	A10VL009	8-10	A18VL009
Salad vegetables	20-22	A01VL0010	12-14	A10VL0010	6-10	A18VL0010
bell pepper	24-26	A01VL0011	18-20	A10VL0011	8-10	A18VL0011
cabbage	26-30	A01VL0012	14-16	A10VL0012	8-10	A18VL0012
spinach	20-24	A01VL0013	14-16	A10VL0013	8-10	A18VL0013
Tomatoes (unripe)	18-22	A01VL0014	16-20	A10VL0014	12-14	A18VL0014
green beans*	12-14	A01VL0015	8-10	A10VL0015	4-6	A18VL0015
green peas*	16-20	A01VL0016	14-16	A10VL0016	4-6	A18VL0016
Basil	20-22	A01VL0017	12-14	A10VL0017	6-8	A18VL0017
rosemary	20-22	A01VL0018	12-14	A10VL0018	6-8	A18VL0018
thyme	20-22	A01VL0019	12-14	A10VL0019	6-10	A18VL0019
Shivid	20-22	A01VL0020	12-14	A10VL0020	6-10	A18VL0020
mint	20-22	A01VL0021	12-14	A10VL0021	6-10	A18VL0021
Parsley	20-22	A01VL0022	12-14	A10VL0022	6-10	A18VL0022
cilantro	20-22	A01VL0023	12-14	A10VL0023	6-8	A18VL0023
leek*	20-22	A01VL0024	12-14	A10VL0024	6-10	A18VL0024

fruits

type of fruit	Shelf life (days) 4°C	Code	Shelf life (days) 22°C	Code	Shelf life (days) 27°C	Code
apple	60-110	A04FC001	45-60	A22FC001	35-45	A27FC001
Apricot	14-30	A04FC002	10-12	A22FC002	7-10	A27FC002
Pear (unripe)	18-24	A04FC003	12-18	A22FC003	7-10	A27FC003
Nectarine (unripe)	26-30	A04FC004	10-12	A22FC004	7-10	A27FC004
Peach (unripe)	26-30	A04FC005	10-12	A22FC005	7-10	A27FC005
Mango (unripe)*	18-22	A04FC006	8-14	A22FC006	7-10	A27FC006
Plum (unripe)*	14-30	A04FC007	12-14	A22FC007	8-10	A27FC007
Kiwi (unripe)	25-30	A04FC008	16-22	A22FC008	12-14	A27FC008
Persimmon (unripe)	18-24	A04FC009	10-14	A22FC009	---	A27FC009
To (premature)	18-24	A04FC0010	10-18	A22FC0010	10-14	A27FC0010
tangerine	45-50	A04FC001	26-40	A22FC001	20-25	A27FC001
Grapefruit	45-50	A04FC002	18-24	A22FC002	12-16	A27FC002
lemon	25-35	A04FC003	18-25	A22FC003	18-24	A27FC003
orange	35-55	A04FC004	16-19	A22FC004	12-16	A27FC004
Cherry*	18-24	A04FC005	12-16	A22FC005	8-10	A27FC005
grape*	18-24	A04FC006	12-14	A22FC006	10-12	A27FC006
cucumber	22-26	A04FC007	18-25	A22FC007	16-20	A27FC007
Strawberries	16-28	A04FC008	10-12	A22FC008	---	A27FC008
Pomegranate	50-70	A04FC009	35-45	A22FC009	25-30	A27FC009



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Pesticide solution



Pests are organisms that damage and feed on various parts of plants and trees. These harmful organisms live on various organs of plants, including leaves, stems, roots, fruits, and show their negative effects. One of the important reasons for losses in the agricultural industry is pests, which can be prevented with appropriate and correct action.

The most common plant pests include: aphids, thrips, root and leafworms, spider mites, whiteflies, beetles, fungus gnats, and scale insects.

Currently, most farmers use chemical pesticides to eliminate pests. Given the harm these pesticides cause, a solution had to be found so that a plant-based, environmentally friendly product could enter the market.

Pesticide solution



Through research in this field, Nano Pack Company succeeded in producing and marketing a solution for repelling pests and attracting beneficial insects. In addition to repelling pests, this herbal product also attracts beneficial insects that have multiple functions in gardens and farms.

One of the beneficial insects that performs the important task of pollination is the honey bee, and through pollination, the quality of products increases and the trees become more fruitful. The pollination process coincides with the pest control season, which, due to the use of chemical pesticides, causes beneficial insects to flee, and for this reason, the pollination process is incomplete.

Another beneficial insect is ladybugs, as this beneficial insect eats up to 100 aphids per day and fights various pests. With Nano Pack's pest control solution, not only do these beneficial insects not escape, but they are also attracted to this solution, killing other pests.

Pesticide solution



Microbial contamination is one of the most important reasons for agricultural product waste. Our edible insect repellent and fungicide solution not only repels pests and attracts beneficial insects, but also controls the growth of fungi and mold.

Although chemical fungicides are effective in controlling the growth of these contaminants, they also cause great damage, including water pollution, reduced soil productivity, damage to plants and trees, and the elimination of beneficial insects.

The following are important features of the solution:

- 1- No inhalation toxicity in the solution**
- 2- No dermal toxicity in the solution**
- 3- No oral toxicity in the solution**



Pesticide solution



How to use:

Dilute 5 liters of solution with 1000 liters of sanitary water and spray on plants and trees.

This solution can also be used for trapping (repelling), which is between 20 and 30 traps per hectare. Given the attractiveness of the solution to honey bees, trapping in the shade of male trees is recommended to increase pollination.

Use this solution at least twice a year. The first time is at the beginning of the hot season to repel pests, and the second time is after rainfall and increased relative humidity in the garden and agricultural land (mid-autumn) to control microbial diseases (mold and fungus).

Since the solution is edible, monthly use or spraying directly on the surface of fruits and plants does not cause any harm.

Manufacturer of smart nano plastics and pesticide solutions

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